Swope, Sheridan

From:

Swope, Sheridan

Sent:

Wednesday, December 10, 2003 9:28 PM

To:

Schreiber, David

Subject:

09896522

David, Would you do me the favor of the following alignments/searches?

For 09896522

Search SID 1, SID 2, AND SID 3 against all of the sequences in the following cases:

23

Tang et al 09/488,725 09/522,317 - 551,317

Ho et al 09/536.647

Robinson et al 09/516,448

Hyseq et al 09/235,076

Rosen et al PCT/US00/05988

60/124,270 — NO CRF

Shift product

Let me know if you can do it. TTHANKS!!!

Sheridan Swope, Ph.D.
Patent Examiner, AU 1652,
Recombinant Enzymes
sheridan.swope@uspto.gov
703-305-1696 (voice)
703-308-3014 (FAX)
Mailbox: CM1 Rm10D01
Office: CM1 Rm12D12

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Title:
Perfect score:
                                                                                                                                                                                                                                                                           Run on:
                                                                                                                                                                                                                                                                                                                OM nucleic - nucleic search, using sw model
Total number of hits satisfying chosen parameters:
                                              Searched:
                                                                                                                                                  Sequence:
                                                                                                          Scoring table:
                                                                                                                                                                       us-09-896-522-3
834
                                                                                  IDENTITY_NUC
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                               December 12, 2003, 06:28:42; Search time 14248 Seconds (without alignments)
4.055 Million cell updates/sec
                                            51343 seqs, 34638147 residues
                                                                                                                                                atggcttcggcggaggcga.....ccagcagcagaccccactga 834
                                                                                                                                                                                                                                                                                                                                                                           GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
      102686
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Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries Minimum DB Maximum DB seq length: 0
seq length: 2000000000

Database /home/sdavid/sdavid-tmp/dectemp/swope522/US09488725B.seq:*
/home/sdavid/sdavid-tmp/dectemp/swope522/597908.seq:*
/home/sdavid/sdavid-tmp/dectemp/swope522/US09516448.seq:*
/home/sdavid/sdavid-tmp/dectemp/swope522/US0925076.seq:*
/home/sdavid/sdavid-tmp/dectemp/swope522/PCTUS0005988.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	No.	Score	Query	Length	BB	ID	Description
	_	832.4	99.8	834	2	US-09-536-647-1	Sequence 1, Appl:
	N	32.	99.8	2152	Н	-09-488-7	7130,
	ω	823.5	98.7	1648	ω	-09-516-448-2048	Sequence 2048, A
	4.	32.	51.9	472	4	09-235-076-303	
		Ġ	43.6	1310	σ	-US00-059	e 220,
O	6	281.899	33.8	1316	Н	9-488-725B-63	e 636
	7	N	26.5	472	4	076-2404	e 24042
	8	210.4	25.2	455	4	US-09-235-076-23923	23923
ი	9	N	15.2	470	4.	US-09-235-076-9667	9667,
	10	40.6		1298	σı	PCT-US00-05988-682	682,
G	11	7	4.5	4134	Ь	US-09-488-725B-3819	3819,
	12	35.8	4.3	8872	Н	09-488-725B-626	6268,
	13	35.4	4.2	489	4	09-235-076-2046	Sequence 20462, A
	14	ıπ	4.2	752	w	US-09-516-448-1912	1912,
	15	4	4.1	1404	ь	US-09-488-725B-2608	e 2608,
	16	34.4	4.1	3479	ш	US-09-488-725B-3555	3555
	17	4	4.1	480	4	9-23	12224,
ი	18	4	4.1	2838	Н	-09-488	5906,
		S	4.1	5122	ப	-7251	5012,
	20	34	4.1	4.71	4	-09-235-	Sequence 29236, A
	21	34	4.1	1618	Н	-09-488-7251	7758,
ი	22	34	4.1	4308	μ	,	3800,
ი	23	34	4.1	4454	щ	9-488-725B-	6591,
	24	33.6	4.0	1746	۲	US-09-488-725B-5104	510
	25	Ü	4.0	2586	μ.	-09-488-725B-	8011,
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•	Sequence 8299, Ap	Sequence 6256, Ap	Sequence 6522, Ap	Sequence 24688, A	Sequence 22668, A	Sequence 6574, Ap		Sequence 4795, Ap	Sequence 1497, Ap	Sequence 906, App	Sequence 8030, Ap	Sequence 32, Appl	Sequence 3680, Ap	Sequence 3745, Ap	Sequence 3552, Ap	Sequence 10006, A	Sequence 9186, Ap

ALIGNMENTS

Query Match Best Local Similarity 99.9%; Pred. No. 2.4e-166; Best Local Similarity 99.9%; Pred. No. 2.4e-166; Matches 833; Conservative 0; Mismatches 1; Indels 0; Gaps Qy Indels 0; Gaps Indels 0; Gaps 1 ATGGCTTCGGCGGAGGGCGAAACTGCGAGAGCCCCGGCGGAGGCCGACCGTCCGCAC Qy 1 ATGGCTTCGGCGGAGGGCGAAACTGCGAGAGGCCCACCGGCGGAAGTCGACCGTCCGCAC Qy 1 CAGCGGCCCTTCCTGATAGGGGTGAGCGGCACTGCCAGCGGAAGTCGACCGTGTGT Qy 121 GAGAACATCATGGAGTTGCTGGGACACGAGGGGAACTCGACCGTGTGT Qy 121 GAGAACATCATGGAGTTGCTGGGACAGAACGAGGTGGAACAGCGGAAGGTCGACCGTGTT Qy 181 ATCCTGAGCCAGGACAGGTTGCTGAGAACGAAGGTCGAAGGCCAAGGCCGTTGGT Qy 181 ATCCTGAGCCAGGACAGGTTCTACAAGGTCCTGACGGCAGAAGGCCAAGGCCTTG Qy 181 ATCCTGAGCCAGGACAGGTTCTACAAGGTCCTGACGGCAGAGCAGAAGGCCAAGGCCTTG Qy 241 AAAGGACAGTACAATTTTGACCATCCAGATGCCTTTGATAATGATTTGATGCACAGGACT Qy 241 AAAGGACAGTACAATTTTGACCATCCAGATGCCTTTGATAATGATTTTGATGCACAGGACT Qy 241 AAAGGACAGTACAATTTTGACCATCCAGATGCCTTTGATACAATGATTTTGATGCACAGGACT Qy 241 AAAGGACAGTACAATTTTGACCATCCAGATGCCTTTGATACAATTTTGATGCACAGGACT Qy 241 AAAGGACAGTACAATTTTGACCATCCAGATCCATTTGATGACATCAAGACT AAGGACACATTACAATTTTGACCATCCAGATGCCTTTGACACAGAATTTTGATGCACACGAACGCCTTGACGAGAGCCTAGACGCAGAACGAAC
Query Match Best Local S Matches 833 Matches 61 1 121 121 181
Query Match Best Local S Matches 833 Matches 61 61 61 121
Query Match Best Local S Matches 833 Matches 1 1 61
Query Match Best Local S Matches 833 1
Match 99.8%; Score 832.4; I ocal Similarity 99.9%; Pred. No. 2.4e-

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APPLICANT: Chenghua Liu
APPLICANT: Radoje T. Drmanac
APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: Prom Various Libraries
FILE REFERENCE: 784
CURRENT APPLICATION NUMBER: US 09/004,182
PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR PILING DATE: 1998-01-07
PRIOR APPLICATION NUMBER: US 09/045,400
PRIOR FILING DATE: 1998-02-13
PRIOR APPLICATION NUMBER: US 09/045,400
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR APPLICATION NUMBER: US 09/31,598
PRIOR APPLICATION NUMBER: US 09/131,598
PRIOR APPLICATION NUMBER: US 09/170,294
PRIOR APPLICATION NUMBER: US 09/170,294
PRIOR APPLICATION NUMBER: US 09/179,473
PRIOR APPLICATION NUMBER: US 09/179,473
PRIOR FILING DATE: 1998-10-28
PRIOR PILING DATE: 1998-10-28
PRIOR APPLICATION NUMBER: US 09/235,076
PRIOR APPLICATION NUMBER: US 09/234,611
PRIOR APPLICATION NUMBER: US 09/234,611
PRIOR PILING DATE: 1999-01-22
PRIOR FILING DATE: 1999-01-22
PRIOR FILING DATE: 1999-01-20
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US-09-488-725B-7130
                  Remaining Prior Application data r
NUMBER OF SEQ ID NOS: 10289
SOFTWARE: pt CT genes Version 1.01
SEQ ID NO 7130
LENGTH: 2152
TYPE: DNA
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APPLICANT:
APPLICANT:
TYPE: DNA
ORGANISM: Homo sapiens
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John Tillinghast
                                                                                                                  Application data removed
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                                                                                                                    File Wrapper or
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; OTHER INFORMATION: similar to gi471981 in the genepept database release; OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters US-09-488-725B-7130
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OTHER INFORMATION: n = a,t,c
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                                                                                                                                                                          CCGACAAAGAAGTATGCCGATGTGATCCTCCCACGAGGAGTGGACAATATGGTTGCCATC
                                                                                                                                                                                                                               GAGCAGATICTGACGCAGTACACCACCITCGTGAAGCCGGCCTTCGAGGAGTTCTGCCTG
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                  ATGCTGACCTCTGGCAAACGGTCACATTTGGAGTCCAGCAGCAGACCCCACTGA
                                                   GGAGGGTCCAATGGGCGGAGCTACAAGCGGACCTTTTCTGAGCCAGGGGACCACCCTGGG
                                                                           GGAGGGTCCAATGGGCGGAGCTACAAGCGGACCTTTTCTGAGCCAGGGGACCACCCTGGG
                                                                                                       AACCTGATCGTGCAGCACATCCAGGACATTCTGAATGGTGACATCTGCAAATGGCACCGA
                                                                                                                                AACCTGATCGTGCAGCACATCCAGGACATTCTGAATGGTGACATCTGCAAATGGCACCGA
                                                                                                                                                            CCGACAAAGAAGTATGCCGATGTGATCATCCCGCGAGGAGTGGACAATATGGTTGCCATC
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Pred. No. 2.3e-166;
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RESULT

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; Sequence 2048, Application US/09516448
; GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: (GENERAL INFORMATION: Novel Nucleic Acid and FILE REFERENCE: 5800-119
; CURRENT APPLICATION UMBER: US/09/516,448
; CURRENT FILING DATE: 2000-02-29
; NUMBER OF SEQ ID NOS: 2050
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 2048
; LENGTH: 1648
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; NAME/KEY: misc feature
; LOCATION: (1)...(1648)
; OTHER INFORMATION: n = A,T,C
US-09-516-448-2048
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Best Local Similarity
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ORGANISM: Homo sapiens
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AGGAGGGTCCAATGGGCGGAGCTACAAGCGGACCTTTTCTGAGCCAGGGGACCACCCTGG
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                             CAACCTGATCGTGCAGCACCATCCAGGACATTCTGAATGGTGACATCTGCAAATGGCACCG
                                              CAACCTGATCGTGCAGCACATCCAGGACATTCTGAATGGTGACATCTGCAAATGGCACCG
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Pred. No. 1.7e-164;
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CURRENT FILING DATE: 1999-01-20
NUMBER OF SEQ ID NOS: 38054
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 30379
LENGTH: 472
TYPE: DNA
ORGANIAM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 30379, Application US/09235076
GENERAL INFORMATION:
APPLICANT: Hyseq, Inc.
APPLICANT: Hyseq, Inc.
TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES
TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
FILE REFERENCE: 20411-756
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Best Local (
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NAME/KEY: misc feature
LOCATION: (1)...(472)
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               AAGAGTTCTCCGGGACGTGCGCCGA
                                                                          CCGGGACATGTTCCACCTGCGCCTCTTCGTGGACACCGACTCCGACGTCAGGCTGTCTCG
                                                                                                                                     GGTCTACCCTGCGGACGTTGCTTTGTTTGAGGGCATCTTTGGTGTTTCTACAGCCAGGAGAT
                                                                                                                                                                                                AACGGTGGAGGTGCCGACCTATGATTTTGTGACACACTCAAGGTTACCAGAGACCACGGT
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                                                          CCGGGACATGTTCCACCTGCGCCTCTTCGTGGACACCGACTCCGACGTCAGGCTGTATCG
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Pred. No. 7.6e-83;
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RESULT 5
PCT US00-05988-220
FCT US00-05988-220
F Sequence 220, Application P
GENERAL INFORMATION:
APPLICANT: Craig Rosen,
APPLICANT: Steve Ruben

PC/TUS0005988

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RESULT 6
US-09-488-725B-6367/c
; Sequence 6367, Application US/09488725B
; GENERAL INFORMATION:
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; ORGANISM: Homo sapiens
PCT-US00-05988-220
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SEQ ID NO 220
LENGTH: 1310
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Best Local Similarity
   APPLICANT:
APPLICANT:
TITLE OF IN
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                                                     APPLICANT: Yuanhua T. Tang
APPLICANT: John Tillingha
APPLICANT: Ankura Sinku
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CURRENT APPLICATION NUMBER: PCT/US00/05988
CURRENT FILING DATE: 2000-03-08
EARLIER APPLICATION NUMBER: 60/124,270
EARLIER FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 1890
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F: Chenghua Liu
F: Radoje T. Drmanac
INVENTION: Novel Contigs Obtained
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                                                      John Tillinghast
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Pred. No. 2.1e-
1; Mismatches
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PRIOR FILING DATE: 1999-01-20
PRIOR APPLICATION NUMBER: US 09/234,611
PRIOR FILING DATE: 1999-01-22
Remaining Prior Application data removed - NUMBER OF SEQ ID NOS: 10289
SOFTWARE: pt CT genes Version 1.01
SEQ ID NO 6367
LENGTH: 1316
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1030)...(289)
; OTHER INFORMATION: similar to gi471981 in the genepept database
; OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
US-09-488-725B-6367
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FILE REFERENCE: 784
CURRENT APPLICATION NUMBER: US/09/488,725B
CURRENT FILING DATE: 2000-01-21
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PRIOR FILING DATE: 1998-01-07
PRIOR APPLICATION NUMBER: US 09/034,341
PRIOR FILING DATE: 1998-02-13
PRIOR APPLICATION NUMBER: US 09/045,400
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: US 09/321,214
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ORGANISM: Homo sapiens
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FILING DATE: 1998-10-13
APPLICATION NUMBER: US 09/179,473
FILING DATE: 1998-10-27
APPLICATION NUMBER: US 09/181,430
FILING DATE: 1998-10-28
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FILING DATE: 1999-05-26
APPLICATION NUMBER: US 09/131,598
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                                    TCCGACGTCAGGCTGTCTCGAAGAGTTCTCCGGGACGTGCGC---CGAGGGAGGGACCTG
                                                                                               GTTCTACAGCCAGG--AGATCCGGGACATGTTCCACCTGCGCCTCTTCGTGGACACCGAC 483
                                                                                                                                              GAAGGAGGAGACAGTTACTGTCTATCCCGCAGACGTGGTGCTCTTTGAAGGGATCCTGGC
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                                                                         CTTCTACTCCCAGGAAAGGTACGAGACCTGTTCCAGATGAAGCT
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Pred. No. 2.5e-51;
0; Mismatches 186;
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RESULT 8
US-09-235-076-23923
; Sequence 23923, Application
; GENERAL INFORMATION:
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SEQ ID NO 24042
LENGTH: 472
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APPLICANT: Hyseq, INC.
TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES
TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
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NUMBER OF SEQ ID NOS: 38054
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CURRENT APPLICATION NUMBER: US/09/235,076
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ORGANISM: Homo sapiens
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LOCATION: (1)...(472)
OTHER INFORMATION: n = A,T,C
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                                                                                                                                      GTTCTACAGCCAGGAGATCCGGGACATGT
                                                                                                                                                                              GAAGGAGGAGACAGTTACTGTCTATCCCGCAGACGTGGTGCTCTTTGAAGGGATCCTGGC
                                                                                                                                                                                                             GTTACCAGAGACCACGGTGGTCTACCCTGCGGACGTGGTTCTGTTTGAGGGCATCTTGGT 425
                                                                                                                                                                                                                                              AGAAATCACTGAAGGGAAAACAGTCCAGATCCCCGTGTATGACTTTGTCTCCCATTCCCG
                                                                                                                                                                                                                                                                                                                      CCAGTTCAACTTTGACCACCCGGATGCCTTTGACAATGAACTCATTCTCAAAACACTCAA
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Pred. No. 1.4e-38;
0; Mismatches 105;
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; OTHER INFORMATION: n =
US-09-235-076-23923
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CURRENT APPLICATION NUMBER: US/09/235,076
CURRENT FILING DATE: 1999-01-20
NUMBER OF SEQ ID NOS: 38054
SOFTWARE: PastSEQ for Windows Version 3.0
SEQ ID: NO 23923
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
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Best Local
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TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES
TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PEATURE:
NAME/KEY: misc_feature
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 455
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444
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                               GTTCTACAGCCA 437
                                                                                                                                                                    GAACATCGTGGAGGGCAAAACGGTGGAGGTGCCGACCTATGATTTTGTGACACACTCAAG
                                                                                                                                                                                                                                     ACAGTACAATTTTGACCATCCAGATGCCTTTGATAATGATTTGATGCACAGGACTCTGAA 305
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                                                                                                                                     AGAAATCACTGAAGGGAAAACAGTCCAGATCCCCGTGTATGACTTTGTCTCCCATTCCCG
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                                                                  GAAGGAGGACAGTTACTGTCTATCCCGCAGACGTGGTGCT
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Pred. No. 2.2e-36;
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US-09-235-076-9667/c
US-09-235-076-9667/c
IS-equence 9667, Application US/09235076
| Sequence 9667, Application US/09235076
| Sequence 9667, Application US/09235076
| GENERAL INFORMATION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED TITLE OF INVENTION: PROM VARIOUS CDNA LIBRARIES
| FILE REFERENCE: 20411-756
| CURRENT APPLICATION NUMBER: US/09/235,076
| CURRENT FILING DATE: 1999-01-20
| NUMBER OF SEQ ID NOS: 38054
| SOFTWARE: FastSEQ for Windows Version 3.0
| SEQ ID NO 9667
| LENGTH: 470
| TYPE: DNA
| ORGANISM: Homo sapiens
| FEATURE:
| NAME/KEY: misc_feature
| LOCATION: (1)...(470)
| OTHER INFORMATION: n = A,T,C or G
| US-09-235-076-9667

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; Sequence 682, Application PC/TUS0005988
; GENERAL INFORMATION:
APPLICANT: Craig Rosen,
TITLE OF INVENTION: Human Prostate Cancer Associated Gen
FILE REFERENCE: PA101PCT
; CURRENT APPLICATION NUMBER: PCT/US00/05988
; CURRENT FILING DATE: 2000-03-08
; EARLIER APPLICATION NUMBER: 60/124,270
; BARLIER PTLING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1890
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ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (1294)
OTHER INFORMATION: n equals a,t,9, or
PCT-US00-05988-682
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PCT-US00-05988-682
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                                                                                                                                                            Matches 100;
                                                                                                                                                                           Query Match 4.9%;
Best Local Similarity 49.8%;
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                                                                                                                   375 GACCACGGTGGTCTACCCTGCGGACGTGGTTCTGTTTGAGGGCATCTTGGTGTTCTACAG 434
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          350 GTATGGTGCAAACGTCATCTTTGAGGGCATCATGGCCTTTGCTGACAAGACACTGTT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           327 GGTGGAGGTGCCGACCTATGATTTTGTGACACACTCAAGGTTACCAGAGACCACGGTGGT
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  CAAGACCTACACCGACCGCGTCTTCTTCCTGCCCTCCAAGGACGGCGACAAGGACGTGAT
                                       CCAGGAGATCCGGGACATGTTCCACCTGCGCCTCTTCGTGGACACCGACTCCGACGTCAG
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                                                                              GATCGAGATGGAGGACCAGACCAACGACGTGCACGAGGCCGGCATCCCCGTGCTGGACTA
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                                                                                                                                                        Score 40.6; DB Pred. No. 0.65; 1; Mismatches
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Pred. No. 7.6e-19;
0; Mismatches 180;
                                                                                                                                                                                               DB 5;
                                                                                                                                                            100; Indels
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US-09-488-725B-3819/Application US/
; Sequence 3819, Application US/
; APPLICANT: Yuanhua T. Tang
; APPLICANT: John Tillinghast
                                                                                                                                                                                                                                                                                                                  ; FEATURE: misc feature; NAME/KEY: misc feature; LOCATION: (4136)...(639); OTHER INFORMATION: similar to gil504026 in the genepept database; OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters US-09-488-725B-3819
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NUMBER OF SEQ ID NOS: 10289
SOFTWARE: pt CT_genes Version 1.01
SEQ ID NO 3819
LENGTH: 4134
                                                                                                                                                                                                                                                           Query Match
Best Local
                                                                                                                                                                                                                                          Matches 114;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR FILING DATE: 1998-01-07
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CURRENT FILING DATE: 2000-01-21
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APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Cont
TITLE OF INVENTION: From Vari
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: US 09/131,598
PRIOR FILING DATE: 1998-08-10
PRIOR APPLICATION NUMBER: US 09/170,294
PRIOR FILING DATE: 1998-10-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR FILING DATE: 1998-03-20 PRIOR APPLICATION NUMBER: US PRIOR FILING DATE: 1999-05-26
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                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US FILING DATE: 1998-10-27
                                                                                                                                                            1050 TGCCGTACCTGGAGGCGGGCGAGGCGGTGGTCTACCCGCTGCAGGAGGCGGCGGCGGACG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             555
                                                                                                         362 CAAGGTTACCAGAGACCACGGTGGTCTACCCTGCGGACGTGGTTCTGTTTGAGGGCATCT
                                                                                                                                                                                               302 TGAAGAACATCGTGGAGGGCAAAACGGTGGAGGTGCCGACCTATGATTTTGTGACACACT
                                                                                                                                                                                                                                                             Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CCAGITCTCCAACCTGCTGAA 936
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GCAGTACACCACCTTCGTGAA 575
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GATCACCGGCAAGCTGGACATCCCYGAGCCGCGGCGGCGGTGGTGGAGCAGGCCCTCTA 915
  AGCTGCTGTCCTCATCGGAGGCCAGTGCCCTGGGCCACCTCAGCTTCCTGGAGCAGCAGC
                                       TGGTGTTCTACAGCCAGGAGATCCGGGACATGTTCCACCTGCGCCTCTTCGTGGACACCG
                                                                                GGTGCAGAGAATCCCGAGTTGTGTCCAACGATTCGGACTCGGACCTAGAGGAGGCCTCCG
                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                         4.5%;
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                                                                                                                                                                                                                                        Score 37.2; DB 1;
Pred. No. 3.2;
0; Mismatches 128;
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                                                                                                                                                                    Matches
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LENGTH: 8872
                                                                                                                                                                                                             Query Match
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GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                 FEATURE:
NAME/KEY: misc_feature
...(8873)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION NUMBER: US/09/488,725B
CURRENT FILING DATE: 2000-01-21
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APPLICANT: Radoje T. Drmanac
MITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: From Various Libraries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION NUMBER: US 09/045,400
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                                                                                                                                                                                                                                                                   OTHER INFORMATION: similar to gi1212917 in the genepept database release 114 OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
                                                                                                                                                                                                                                                                                                              NAME/KEY: misc_feature
LOCATION: (170)...(524
                                                                                                                                                                                                                                                                                                                                                                        LOCATION: (1)...(8873)
OTHER INFORMATION: n = a,t,c
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                                                                                                                                                                                         Local
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APPLICATION NUMBER: US 09/179,473
FILING DATE: 1998-10-27
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APPLICATION NUMBER: US 09/170,294
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APPLICATION NUMBER: US 09/321,214
FILING DATE: 1999-05-26
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                                         118 TGTGAGAAGATCATGGAGTTGCTGGGACAGAACGAGGTGGAACAGCGGCAGCGGAAGGTG 177
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                                                                                                                        58 CACCAGCGGCCTTCCTGATAGGGGTGAGCGGCGCACTGCCAGCGGGAAGTCGACCGTG 117
                                                                                                                                                                                       Similarity
ACAGAGAAGATCATAGCTGAGCTCAATGAGACCTGGGAGGAGGAGCTGCGGCGGACAGAA 1546
                                                                                  CTCCACGAGCGCATCTTGTTTGCCCCGGGCAGCGAGGAGGCCATTGAAAGACTGAAGGAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AGAGCGAGGCCAGCCTAGAGGTGGCTTCTGGCAGCCACAGCGGCAGTGAGGAGCAGCTGG
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                                                                                                                                                                 4.3%;
ilarity 54.1%;
Conservative
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Pred. No. 6;
0; Mismatches
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                                                                                                                                                                                                        DB 1;
                                                                                                                                                                    62;
                                                                                                                                                                                                        Length 8872;
                                                                                                                                                                    Indels
                                                                                                                                                                 0,
                                                                                                                                                               Gaps
                                                                                  1486
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US-09-516-448-1912
Sequence 1912, Application US/09516448; GENERAL INFORMATION:
APPLICANT: Robison, Keith E.
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                                                                    US-09-516-448-1912
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CURRENT FILING DATE: 1999-01-20
NUMBER OF SEQ ID NOS: 38054
SOFTWARE: FREESEQ for Windows Version 3.0
SEQ ID NO 20462
                                                                                                                                                                                                  CURRENT FILING DATE: 2000-02-29

NUMBER OF SEQ ID NOS: 2050

SOFTWARE: FASTSEQ for Windows Version 3.050

SEQ ID NO 1912
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 20462, Application US/09235076 GENERAL INFORMATION:
 Best Local Similarity 49.1
Matches 91; Conservative
                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
                                                                              ORGANISM: Homo sapiens FEATURE: NAME/KEY: misc_feature LOCATION: (1)...(752) OTHER INFORMATION: n = A
                                                                                                                                                                                                                                                                                                 APPLICANT: Robison, Keith E.
TITLE OF INVENTION: Novel Nucleic Acid and Protein Homologs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Hyseq, Inc.
TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES FILE REFERENCE: 20411-756
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME/KEY: misc_feature
LOCATION: (1)...(489)
OTHER INFORMATION: n = A,T,C or G
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ORGANISM: Homo sapiens
FEATURE:
                                                                                                                                                                    TYPE: DNA
                                                                                                                                                                                      LENGTH: 752
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         614 ATGCCGATGTGATCATC 630
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             141 ATCAGCGGCCCACCTTTCGCCAGATGCAGCTCGAGAATGTGTCCGTGGCGCTCGAGTTCC 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              201 TGGACCGTGAGAGCATC 217
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                434 GCCAGGAGATCCGGGACATGTTCCACCTGCGCTCTTCGTGGACACCGACTCCGACGTCA 493
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               4.2%;
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                                                                                  A,T,C or
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Pred. No. 8.2;
0; Mismatches 101;
                 Score 35.2; D
Pred. No. 8.9;
Mismatches
                                 DB 3;
 93;
                               Length 752;
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 Indels
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US-09-488-725B-2608
                                                                               Matches
                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                       SEQ ID NO 2608
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SOFTWARE: pt_CT_genes Version 1.01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR FILING DATE: 1998-01-07
PRIOR APPLICATION NUMBER: US 09/034,341
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CURRENT APPLICATION NUMBER: US/09/488,725B
CURRENT FILING DATE: 2000-01-21
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APPLICANT: John Tillingha
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                                                                                                                                                                              LENGTH: 1404
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (948)...(1230)
OTHER INFORMATION: similar to gi4850180 in the genepapt database release 114,
OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
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APPLICANT: Radoje T. Drmanac
FITLE OF INVENTION: Novel Con
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APPLICATION NUMBER: US 09/045,400
FILING DATE: 1998-03-20
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APPLICATION NUMBER: US 09/170,294
FILING DATE: 1998-10-13
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APPLICATION NUMBER: US 09/131,598
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US 09/321,214
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US 09/179,473 FILING DATE: 1998-10-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     222
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                398 ACACTTTGAACCACAGGATGCCAAGGCCGTGCTGCAGCTGCTAAGGCAGGAGCACGAGGA
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                                                                                                     Similarity
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                                      TCTGTTTGAGGGCATCTTGGTGTTCTACAGCCAGGAGATCCCGGGACATGTTCCACCTGCG 464
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GCAG 225
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TCAGTGCTGGGAGAACTCCGTGGGGGAGGAGCTGTACAAGCTGAGTATCTTCAACTTCCT 1003
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                                                                                  Conservative
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                                                                                                   4.1%;
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                                                                             Score 34.6; D
Pred. No. 12;
0; Mismatches
                                                                                                                      DB
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SOFTWARE pt CT_genes Version 1.01
SEQ ID NO 3555
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                                                                                                                                                                                                                                    Matches
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                                                                                                                                                                                                                                                        Best Local Similarity
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PRIOR APPLICATION NUMBER: US 09/034,341
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CURRENT APPLICATION NUMBER: US/09/488,725B
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APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Cont
TITLE OF INVENTION: From Vari
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR FILING DATE: 1999-05-26
                                                                                                                                                                                                                                                                                                                                  LOCATION: (1)...(3389) OTHER INFORMATION: similar to gi4754909 in the genepept database release OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
                                                                                                                                                                                                                                                                                                                                                                                       NAME/KEY: misc_feature
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                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 3479
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 1999-01-20
APPLICATION NUMBER: US 09/234,611
FILING DATE: 1999-01-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US 09/235,076
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US 09/181,430 FILING DATE: 1998-10-28
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                                                                                                              GTGTGAGAAGATCATGGAGTTGCTGGGACAGAACGAGGTGGAACAGCGGCAGCGGAAGGT 176
                                                                                                                                                        GCAGCAGGAGGTCTTGCTGGGGGAGGGGAGCCCTGACCATGCCCCGGGAGGGCTCCACAGA
                                                                                                                                                                                             GCACCAGCGGCCCTTCCTGATAGGGGTGAGCGGCACTGCCAGCGGGAAGTCGACCGT
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GGAGGATTGCATCCAGGTTAAGGACGAGGGGGGGGGGGAGAGTGGTGCTGAGGAGGGGCCCCGA 1853
                                    GGTCATCCTGAGCCAGGACAGGTTCTACAAGGTCCTGACGGCAGAGCAGAAGGCCAAGGC
                                                                           GAGTGAGAGCACACAGGAAGACCTTGGAGGAGGAGGACGAGGAAGACGATGGGGAGGAGGA
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                                                                                                                                                                                                                                    Conservative
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                                                                                                                                                                                                                                  Score 34.4; D. Pred. No. 12; O; Mismatches
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CURRENT APPLICATION NUMBER: US/09/488,7258
CURRENT FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR FILING DATE: 1998-01-07
PRIOR APPLICATION NUMBER: US 09/034,341
PRIOR FILING DATE: 1998-02-13
PRIOR PPLICATION NUMBER: US 09/045,400
PRIOR APPLICATION NUMBER: US 09/045,400
PRIOR FILING DATE: 1998-03-20
PRIOR FILING DATE: 1998-03-26
PRIOR PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR PILING DATE: 1999-05-26
PRIOR PILING DATE: 1998-08-10
PRIOR APPLICATION NUMBER: US 09/131,598
PRIOR PILING DATE: 1998-01-10
PRIOR PILING DATE: 1998-10-13
PRIOR FILING DATE: 1998-10-13
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; LOCATION: (1)...(480)
; OTHER INFORMATION: n = A,T,C or
US-09-235-076-12224
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SEQ ID NO 12224
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Best Local (
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                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: From Various Libraries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Yuanhua T. Tang
APPLICANT: John Tillinghast
APPLICANT: Ankura Sinku
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CURRENT FILING DATE: 1999-01-20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Hyseq, Inc
                                                                                                                                                                                                                                                                                                                                                                  TILE REFERENCE: 784
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APPLICATION NUMBER: US 09/131,598
FILING DATE: 1998-08-10
APPLICATION NUMBER: US 09/170,294
FILING DATE: 1998-10-13
APPLICATION NUMBER: US 09/179,473
FILING DATE: 1998-10-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        212 AAAATGCTCAAGGATAAGAACAAGCCTGTCATGCCAGCC 250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  544 CAGATTCTGACGCAGTACACCACCTTCGTGAAGCCGGCC 582
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               152 CTCAAGCTCCAGGAAGACCTGAGAGCAGCCATTGAGAAGGCCCAAGCCCGGGAGCTCATG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       92 GTGCTTTCCACCAAGGACGTCCTTGTCCTCTTGCACAAGTGGAGCCTCATTGAAAGAGAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     81;
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81; Conservative
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Radoje T. Drmanac
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Pred. No. 15;
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Hest Local Similarity 49.2%;
Matches 90; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 5012,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR FILING DATE: 1999-01-22
Remaining Prior Application data removed NUMBER OF SEQ ID NOS: 10289
SOFTWARE: pt CT_genes Version 1.01
SEQ ID NO 5906
LENGTH: 2838
                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Chenghua Liu
APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: From Various Libraries
                                                                                                                                                                                                                                                                                                                                                                                FILE REFERENCE: 784
CURRENT APPLICATION NUMBER: US/09/488,725B
CURRENT FILING DATE: 2000-01-21
                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: US 09/045,400
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: US 09/321,214
                                                                                                                                                                                                                                                                                        PRIOR FILING DATE: 1998-02-13
                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: US 09/034,341
                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION NUMBER: US 09/004,182 PRIOR FILING DATE: 1998-01-07
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APPLICANT: John Tillinghast
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PRIOR APPLICATION NUMBER: US 09/235,076
PRIOR FILING DATE: 1999-01-20
PRIOR APPLICATION NUMBER: US 09/234,611
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LOCATION: (2769)...(353)
OTHER INFORMATION: similar to gi4995641 in the genepept database
OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Homo sapiens FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA
                                                                                                                                                                             FILING DATE: 1999-05-26 APPLICATION NUMBER: US
                                                                                   FILING DATE: 1998-10-13
APPLICATION NUMBER: US 09/179,473
                                                                                                                                 APPLICATION NUMBER: US 09/170,294
                                                                                                                                                        FILING DATE: 1998-08-10
                                                                                                                                                                                                                       APPLICATION NUMBER: US 09/321,214
  APPLICATION NUMBER: US
                    APPLICATION NUMBER: US 09/181,430 FILING DATE: 1998-10-28
                                                                   FILING DATE: 1998-10-27
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AGCCAGGAGATCCGGGACATGTTCCACCTGCGCCTCTTCGTGGACACCGACTCCGACGTC 492
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CCGCCGTCCGCCGCTGCAGCGGCTGGAGGGTCGCGGCCGCAGGGACCTGGCGGGGGGCGCCCG 1069
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Application US/09488725B
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09/235,076
                                                                                                                                                                           09/131,598
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Pred. No. 14;
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US-09-235-036, Application:

¡ Sequence 29236, Application:

¡ Sequence 29236, Application:

¡ APPLICANT: Hyseq, Inc.

¡ ITTLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED

¡ TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES

¡ FILE REFERENCE: 20411-756

¡ CURRENT APPLICATION NUMBER: US/09/235,076

¡ CURRENT FILING DATE: 1999-01-20

¡ NUMBER OF SEQ ID NOS: 38054

• SOFTWARE: FastSEQ for Windows Version 3.0
; ORGANISM: Homo sapiens ; FEATURE; ; NAME/KEY: misc_feature ; LOCATION: (1)...(471) ; OTHER INFORMATION: n = A , US-09-235-076-29236
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Homo sapiens
FEATURE:
FEATURE:
INAME/KEY: misc_feature
LOCATION: (2)...(3744)
OTHER INFORMATION: similar to gil89036 in the genepept database
OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
US-09-488-7258-5012
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US-09-235-076-29236
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NUMBER OF SEQ ID NOS: 10289
SOFTWARE: pt CT_genes Version 1.01
SEQ ID NO 5012
LENGTH: 5122
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GAGCAGATTCTGACGCAGTACACCACCTTC 570
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TTGGTGTTCTACAGCCAGGAGATCCGGGGACATGTTCCACCTGCGCCTCTTCGTGGACACC
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                      'n
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Pred. No. 13;
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US-09-488-725B-7758
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PRIOR FILING DATE: 1998-03-20
PRIOR PELICATION NUMBER: US 09/321,214
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR FILING DATE: 1999-05-26
PRIOR APPLICATION NUMBER: US 09/131,598
PRIOR APPLICATION NUMBER: US 09/170,294
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: US 09/179,473
PRIOR APPLICATION NUMBER: US 09/179,473
PRIOR PILING DATE: 1998-10-27
PRIOR APPLICATION NUMBER: US 09/181,430
PRIOR PILING DATE: 1998-10-28
PRIOR APPLICATION NUMBER: US 09/235,076
PRIOR APPLICATION NUMBER: US 09/234,611
PRIOR APPLICATION NUMBER: US 09/234,611
PRIOR APPLICATION NUMBER: US 09/234,611
PRIOR PILING DATE: 1999-01-22
PRIOR PILING DATE: 1999-01-25
PRIOR PILING DATE: 1999-01-26
    US-09-488-725B-7758
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GENERAL INFORMATION:
APPLICANT: Yuanhua T. Tang
APPLICANT: John Tillinghaa
APPLICANT: Ankura Sinku
                                                                                                                                                                                Remaining Prior Application data removed -
NUMBER OF SEQ ID NOS: 10289
SOFTWARE: pt CT_genes Version 1.01
SEQ ID NO 7758
LENGTH: 1618
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Chenghua Liu
APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Contigs
TITLE OF INVENTION: From Various
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILE REFERENCE: 784
FEATURE:

NAME/KEY: misc_feature

LOCATION: (36)...(1222)

OTHER INFORMATION: similar to gi3724105 in the genepept database

OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
                                                                                                                                        ORGANISM: Homo sapiens
                                                                                                                                                               TYPE: DNA
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Ankura Sinku
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Pred. No. 16;
0; Mismatches
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Query Match Best Local Similarity Matches 94; Conserv

Conservative

4.1%;

; Score 34; DB; ; Pred. No. 15; 0; Mismatches

DB 15;

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Indels

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Length 1618

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PRIOR APPLICATION.

PRIOR FILING DATE: 1998-02-13

PRIOR PRIOR PRIOR FILING DATE: 1998-03-20

PRIOR APPLICATION NUMBER: US 09/321,214

PRIOR PILING DATE: 1999-05-26

PRIOR PILING DATE: 1999-05-26
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SOFTWARE: pt_CT_genes Version 1.01
SEQ ID NO 3800
                                                                                    Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION NUMBER: US 09/235,076
PRIOR FILING DATE: 1999-01-20
PRIOR APPLICATION NUMBER: US 09/234,611
PRIOR FILING DATE: 1999-01-22
                                                                                                                                                                                                                                                                                                        LENGTH: 43
TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                         Remaining Prior Application data removed
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR FILING DATE: 1998-01-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION NUMBER: US/09/488,725B
                                                                                                                                                                             LOCATION: (430\overline{9})...(2761) OTHER INFORMATION: similar to gil054874 in the genepept database OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: Novel
                                                                                                                                                                                                                     NAME/KEY: misc feature
LOCATION: (4309)...(27)
                                                                                                                                                                                                                                                             FEATURE:
                                                                                                                                                                                                                                                                                ORGANISM: Homo sapiens
                                                                                                   Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US 09/179,473
FILING DATE: 1998-10-27
APPLICATION NUMBER: US 09/181,430
FILING DATE: 1998-10-28
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APPLICATION NUMBER: US 09/170,294
FILING DATE: 1998-10-13
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TTCGAGGAGGAGGTGCGGAGACGCGGCGCGCGCACGAGCGGCGCCTGGTGGAGGTGGAC 3886
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Radoje T. Drmanac
                                                                              4.1%;
ilarity 51.3%;
Conservative
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                                                                              Score 34; DB 1; Length 4308 Pred. No. 15; O; Mismatches 75; Indels
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US-09-488-725B-6591/c
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Best Local S
Matches 76
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NUMBER OF SEQ ID NOS: 10289
SOFTWARE: pt_CT_genes Version 1.01
SEQ ID NO 6591
LENGTH: 4454
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GENERAL INFORMATION:
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CURRENT APPLICATION NUMBER: US/09/488,725B
CURRENT FILING DATE: 2000-01-21
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PRIOR APPLICATION NUMBER: US 09/034,341
PRIOR FILING DATE: 1998-02-13
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APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Cont
TITLE OF INVENTION: From Var:
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APPLICANT: John Tillinghast
                                                                                                                                                                                                                                                                                                                                        FEATURE:

NAME/KEY: misc feature

LOCATION: (4270)...(2550).

OTHER INFORMATION: similar to gi3882255 in the genepept database release 114,

OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: 1999-01-22
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APPLICATION NUMBER: US 09/235,076
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                                                                                                                          181 ATCCTGAGCCAGGACAGGTTCTACAAGGTCCTGACGGCAGAGCAGAAGGCCAAGGCCTTG 240
                                                                                                                                                                                                             121 GAGAAGATCATGGAGTTGCTGGGACAGAACGGGGTGGGAACAGCGGCAGCGGAAGGTGGTC 180
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                                                                                                                                                                                                                                                                              Similarity
                                        AAAGGACAGTACAATTTTGACCATCC 266
                                                                                                                                                                     GAGGAGCTCCGGAAGCTGCGAGAAGAAACCAACGCGGAGATGCTGCGGCAGGAGCTGGAC 3938
ACCGAGGAGCAGATGGCTCAGCAGCC 3852
                                                                                  CGCGAGCGGCAGCGGCGGATGGAGCTGGAGCAGAAGGTGCAGGAGGTGCTGAAGGCCAGA 3878
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                                                                                                                                                                                                                                                                          4.1%;
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; NAME KEY: misc feature
; LOCATION: (699)...(1629)
; COTHER INFORMATION: similar to gi3851703 in the genepept database release 114,
; OTHER INFORMATION: Run with FASTXY 3.3100, default parameters
US-09-488-725B-5104
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GENERAL INFORMATION:
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SEQ ID NO 5104
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Best Local Similarity 46.6%;
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CURRENT FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR FILING DATE: 1998-01-07
PRIOR APPLICATION NUMBER: US 09/034,341
PRIOR PILING DATE: 1998-02-13
PRIOR PILING DATE: 1998-03-20
PRIOR FILING DATE: 1998-03-20
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TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: From Various Libraries
FILE REFERENCE: 784
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Remaining Prior Application data removed NUMBER OF SEQ ID NOS: 10289
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APPLICANT: John Tillingha
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APPLICATION NUMBER: US 09/170,294
FILING DATE: 1998-10-13
APPLICATION NUMBER: US 09/179,473
FILING DATE: 1998-10-27
APPLICATION NUMBER: US 09/181,430
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APPLICATION NUMBER: US 09/235,076
FILING DATE: 1999-01-20
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                                                                                 546
                                                                                                                      160 CAGCGGCAGCGGAAGGTGGTCATCCTGAGCCAGGACAGGTTCTACAAGGTCCTGACGGCA 219
                                                                                                                                                                    426 CTGGTGGGCACTGGCGCGCTCGGGCTGCTGCTGTTTCTGCTGGGCTACGGCTGGGC
                                       220 GAGCAGAAGGCCAAGGCCTTGAAAGGACAGTACAATTTTGACCATCCAGATG 271
                                                                                                                                                                                                         100 AGCGGGAAGTCGACCGTGTGTGAGAAGATCATGGAGTTGCTGGGACAGAACGAGGTGGAA 159
                                                                                                                                                                                                                                                                                                                                      108;
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                                                                                 GCGGCCGTGCCGGCCGCCGCCCCGACGACCTTGCCTGAAGAATCTCCCGGAGCGAG
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                                                                                                                                                                                                                                                                                                                                    0; Mismatches 124; Indels
                                                                                                                                                                                                                                                                                                                                                         Score 33.6;
Pred. No. 19;
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657
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RESULT 25 US-09-488-725B-8011

> RESULT 26 US-09-488-725B-8980

Sequence 8980, Application US/09488725B GENERAL INFORMATION: APPLICANT: Yuanhua T. Tang APPLICANT: John Tillinghast

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NUMBER OF SEQ ID NOS: 10289
SOFTWARE: pt_CT_genes Version 1.01
SEQ ID NO 8011
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Best Local Similarity
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APPLICANT:
APPLICANT:
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CURRENT FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR FILING DATE: 1998-01-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION NUMBER: US 09/234,611 PRIOR FILING DATE: 1999-01-22
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APPLICANT: John Tillinghast
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PRIOR APPLICATION NUMBER: US 09/181,430
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PRIOR APPLICATION NUMBER: US 09/170,294
PRIOR FILING DATE: 1998-10-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION NUMBER: US 09/045,400
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR FILING DATE: 1999-05-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: US 09/034,341 PRIOR FILING DATE: 1998-02-13
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: Novel Contigs Obtained TITLE OF INVENTION: From Various Libraries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR FILING DATE: 1998-10-28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME/KEY: misc_feature
LOCATION: (156)...(2451)
OTHER INFORMATION: similar to gi509241 in the genepept database release 114,
OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
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  1490
                                                                                       1430
                                                                                                                                                                               1370 GAAGCCCAAGCGGCCCGTGTCGGCCATGTTCATCTTCTCGGAGGAGAAACGGCGGCAGCT
                                                                                                                                                                                                                                                                         1310 GCAGGCCACCAGCCCCGCCTCCAAGAAGCCAGCCCAGGAAGGGGGCAAGGGCGGCTCCGA 1369
                                                                                                                                    159
                                                                                                                                                                                                                                                                                                                                                                   102;
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                                                                                                                                                                                                                                                                                                                      39 GCCGGAGGCCGACCGTCCGCACCAGCGGCCCTTCCTGATAGGGGTGAGCGGCGCACTGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2586
GAACGACCTGTCTGAGAAGAAGAAGGCCAAGTACAA 1525
                                        AGAGCAGAAGGCCAAGGCCTTGAAAGGACAGTACAA 254
                                                                                                                                    ACAGCGGCAGCGGAAGGTGGTCATCCTGAGCCAGGACAGGTTCTACAAGGTCCTGACGGC 218
                                                                                                                                                                                                                            CAGCGGGAAGTCGACCGTGTGTGAGAAGATCATGGAGTTGCTGGGACAGAACGAGGTGGA 158
                                                                                       GCAGGAGGAGCCGCCTGAGCTCTCCGAGAGCGAGCTGACCCGCCTGCTGGCCCGAATGTG
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Radoje T. Drmanac
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                                                                                                                                                                                                                                                                                                                                                                                      Score 33.6;
Pred. No. 1
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                                                                                                               SOFTWARE: F
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Best Local
                                                                                                                                                           FILE REFERENCE: 5800-119
CURRENT APPLICATION NUMBER: US/09/516,448
CURRENT FILING DATE: 2000-02-29
                                                                                                                                                                                                      APPLICANT: Robison, Keith E.
TITLE OF INVENTION: Novel Nucleic Acid and Protein Homologs
FILE REFERENCE: 5800-119
                                                                                                                                                     NUMBER OF SEQ ID NOS:
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                                                  TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LOCATION: (693)...(855)
OTHER INFORMATION: similar to gi4809026 in the genepept database release 114,
OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FEATURE:
NAME/KEY: misc feature
LOCATION: (693)...(855
NAME/KEY: misc_feature
LOCATION: (1)...(3285)
                                        FEATURE:
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PPLICANT: Radoje T. Drmanac
ITLE OF INVENTION: Novel Cont
ITLE OF INVENTION: From Vari
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                                                                                               ENGTH:
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APPLICATION NUMBER: US 09/181,430
FILING DATE: 1998-10-28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US 09/321,214 FILING DATE: 1999-05-26
                                                                                                                                                                                                                                                                                                                                                                                          1042 AAAAATCTGTCCTGGAAGTGCACCAGGGAGAGCACGTCAAGCAGCTCCTGAGG 1094
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US 09/179,473
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE:
                                                                                               3285
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   63;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FastSEQ for Windows Version 3.0
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55.8%;
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Pred. No. 25;
0; Mismatches
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RESULT 29
US-09-488-725B-9186
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FEATURE:
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FORMATION: (1)...(478)
FOTHER INFORMATION: n = A,T,C or G
US-09-235-076-2081
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US-09-235-076-2081
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US-09-516-448-877
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: Fas
SEQ ID NO 2081
LENGTH: 478
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                                                                                                                                                                                                                                                                                                                                                           Matches
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Best Local Similarity
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Best Local Similarity
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CURRENT APPLICATION NUMBER: US/09/235,076
CURRENT FILING DATE: 1999-01-20
NUMBER OF SEQ ID NOS: 38054
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Hyseq, Inc.
TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCE:
TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA
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                                                                      402
                                                                                                                                           342
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                                                                                                                                                                                                                282 CAGCCCCTGCCCCAACTGGCAGGCCACCCAGGGAGAGGCTGACTCCATGACGGGGCTGA
                                                                                                                                                                                                                                                                                    222 GCCTGAGGTGCCTTCAGGACACCCTCTGCCTCCACCAGGGGCCACACCCCCAAGGCCCTGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   267 AGATGCCTTTGATAATGATTTGATGCACAGGACTCTGAAGAACATCGTGGAGGGCAA 323
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         132;
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                                                                                                                                                                                                                                                                                                                        26 GCGAGAGCCCCGCGCGGAGGCCGACCGTCCGCACCAGCGGCCCCTTCCTGATAGGGGTGA
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                                                                                                      AGGTCCTGACGGCAGA 221
                                                                                                                                             GGGAGCGCATCCAGGAGCTGGAGGCCCAGATGGATGTCATGCGGGAGGAGCTGGGACACA
                                                                                                                                                                            AGAACGAGGTGGAACAGCGGCAGCGGAAGGTGGTCATCCTGAGCCAGGACAGGTTCTACA
                                                                                                                                                                                                                                               GCGGCGCACTGCCAGCGGAAGTCGACCGTGTGTGAGAAGATCATGGAGTTGCTGGGAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FastSEQ for Windows Version
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CGACAACACGGCCGACAACACGAAGTTTGTGACGAGCATGTACAATGAGATTCTGATCCT 2030
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CGGCGGCACTGCCAGCGGGAAGTCGACCGTGTGTGAGAAGATCATGGAGTTGCTGGGACA 146
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GGAGATCCAGGAGCCCGAGTGCAGGCACCTGTCCAGGAAGTTCACCGAGTGGGCCTA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GCCGCTGGCTCTGGCAGCAAGGACCGGGAAGATCGGGGGTCTTGGCCTATATTCTCCAGCG 1910
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GGTCCTGACGGCAGAGCAGAAGGCCAAGGCCTTGAAAGGACAGTACAATTTTGACCATCC 266
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GGGGGCCAAACTGCACCCGACGCTGAAGCTGGAGGAGCTCACCAACAAGAAGGAATGAC 1970
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GAACGAGGTGGAACAGCGGCAGCGGAAGGTGGTCATCCTGAGCCAGGACAGGTTCTACAA
                                                                      AGGACCTGGAGGGCGA 417
                                                                                                                                                                                                                                                                                                                                                           Conservative
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Pred. No. 24;
0; Mismatches 165;
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Pred. No. 29;
                                                                                                                                                                                                                                                                                                                                                         Mismatches 102;
                                                                                                                                                                                                                                                                                                                                                                                           DB 4;
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Sequence 9186, Application US/09488725B

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SOFTWARE: pt CT_genes Version 1.01
SEQ ID NO 9186
LENGTH: 773
                                                                                                                                   Sequence 10006, Application US/09488725B GENERAL INFORMATION:
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                                                                                         APPLICANT: Yuanhua T. Tang
APPLICANT: John Tillinghast
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CURRENT FILING DATE: 2000-01-21
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APPLICANT: Ankura Sinku
APPLICANT: Chenghua Liu
APPLICANT: Radoje T. Drmanac
APPLICANT: Radoje T. Ormanac
TITLE OF INVENTION: From Various Libraries
FILE REFERENCE: 784
                          APPLICANT:
                                                                       APPLICANT:
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COTHER INFORMATION: similar to gill36404 in the genepept database release 114, OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FEATURE:
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FILING DATE: 1999-01-20
APPLICATION NUMBER: US 09/234,611
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APPLICATION NUMBER: US 09/321,214
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APPLICATION NUMBER: US 09/170,294
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    T: Ankura Sinkū
    Chenghua Liu
    R: Radoje T. Drmanac
    INVENTION: Novel Contigs Obtained

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Similarity 52.1%;
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Pred. No. 2
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APPLICANT:

Chenghua Liu Radoje T. Drmanac Ankura Sinku

APPLICANT:
APPLICANT:

TITLE OF INVENTION: Novel Contigs Obtained TITLE OF INVENTION: From Various Libraries FILE REFERENCE: 784

CURRENT APPLICATION NUMBER: US/09/488,725B CURRENT FILING DATE: 2000-01-21 PRIOR APPLICATION NUMBER: US 09/004,182 PRIOR EILING DATE: 1998-01-07 PRIOR APPLICATION NUMBER: US 09/034,341 PRIOR FILING DATE: 1998-02-13

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US-09-488-725B-3552/c
US-09-488-725B-3552/c
; Sequence 3552, Application US/
; GENERAL INFORMATION:
; APPLICANT: Yuanhua T. Tang
; APPLICANT: John Tilinghast
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (229)...(713)
; OTHER INFORMATION: similar to gi5926738 in the genepept database
; OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
US-09-488-725B-10006
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ENGTH: 1573
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APPLICATION NUMBER: US 09/170,294
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                                                                                                                                                                                                                                                                                                                                                             148 AACGAGGTGGAACAGCGGCAGCGGAAGGTGGTCATCCTGAGCCAGGACAGGTTCTACAAG
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                                                                                                                                                                  GTTG 1408
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                                                                    Application US/09488725B
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                                                                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                       Score 32.8;
Pred. No. 27;
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CURRENT APPLICATION NUMBER: US/09/488,725B
CURRENT FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR PILING DATE: 1998-01-07
PRIOR APPLICATION NUMBER: US 09/034,341
PRIOR FILING DATE: 1998-02-13
PRIOR APPLICATION NUMBER: US 09/045,400
PRIOR APPLICATION NUMBER: US 09/045,400
PRIOR PILING DATE: 1998-03-20
PRIOR PILING DATE: 1998-03-26
PRIOR FILING DATE: 1999-05-26
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SEQ ID NO 3552
LENGTH: 4367
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Yuanhua T. Tang
APPLICANT: John Tillinghast
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NUMBER OF SEQ ID NOS: 10289
SOFTWARE: pt CT_genes Version 1.01
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PRIOR APPLICATION NUMBER: US 09/179,473
PRIOR FILING DATE: 1998-10-27
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OTHER INFORMATION: similar to gi4240217 in the genepept database release 114, OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
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APPLICATION NUMBER: US 09/131,598
FILING DATE: 1998-08-10
APPLICATION NUMBER: US 09/170,294
APPLICATION NUMBER: US 09/170,294
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APPLICATION NUMBER: US 09/234,611
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                                                                                                                                                                                                                                                                                                       Chenghua Liu
Radoje T. Drmanac
                                                                                                                                                                                                                                                                                                                                                             Ankura Sinku
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Pred. No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   26;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      See File Wrapper or PALM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        102;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: pt_CT_genes Version 1.01 SEQ ID NO 3745
                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Remaining Prior Application data removed NUMBER OF SEQ ID NOS: 10289
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION NUMBER: US 09/234,611 PRIOR FILING DATE: 1999-01-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION NUMBER: US 09/181,430 PRIOR FILING DATE: 1998-10-28 PRIOR APPLICATION NUMBER: US 09/235,076
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: US 09/179,473
PRIOR FILING DATE: 1998-10-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (4373)...(713)
OTHER INFORMATION: similar to gi4240217 in the genepept database:
OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION NUMBER: US 09/131,598
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION NUMBER: US 09/170,294
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 4372
                                                                                                                                                                                                                                                                                                                                                                           Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: 1999-01-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE:
                                                                                                                                                                           1854 CAGCCCTGCCCCAACTGGCAGGCCACCCAGGGAGAGCTGACTCCATGACGGGGCTGA 1795
                                                                                                                                                                                                                                                                1914 GCCTGAGGTGCCTTCAGGACACCCTCTGCCTCCACCAGGGGCCACACCCCCAAGGCCCTGC 1855
                                                                                                                                146 AGAACGAGGTGGAACAGCGGCAGCGGAAGGTTCATCCTGAGCCAGGACAGGTTCTACA
                                                                                                                                                                                                                    86 GCGGCGGCACTGCCAGCGGGAAGTCGACCGTGTGTGAGAAGATCATGGAGTTGCTGGGAC 145
                                                                                                                                                                                                                                                                                                           26 GCGAGAGCCCCGCGCGGAGGCCGACCGTCCGCACCAGCGGCCCTTCCTGATAGGGGTGA
                                                                                                                                                                                                                                                                                                                                                  94;
                                                                                                                                                                                                                                                                                                                                                                           Similarity
                                                                                      GGGAGCGCATCCAGGAGCTGGAGGCCCAGATGGATGTCATGCGGGAGGAGCTGGGACACA 1735
AGGACCTGGAGGGCGA 1719
                                           AGGTCCTGACGGCAGA 221
                                                                                                                                                                                                                                                                                                                                                    Conservative
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                                                                                                                                                                                                                                                                                                                                                                       3.9%;
                                                                                                                                                                                                                                                                                                                                                    0; Mismatches 102;
                                                                                                                                                                                                                                                                                                                                                                         Score 32.8;
Pred. No. 26;
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RESULT 33

US-09-488-725B-3680/c

US-09-488-725B-3680/c

Sequence 3680, Application US/09488725B

GENERAL INFORMATION:

APPLICANT: Vuanhua T. Tang

APPLICANT: Ankura Sinku

APPLICANT: Ankura Sinku

APPLICANT: Chenghua Liu

APPLICANT: Chenghua Liu

APPLICANT: Radoje T. Drmanac

TITLE OF INVENTION: From Various Libraries

FILE REFERENCE: 784

CURRENT APPLICATION NUMBER: US/09/488,725B

CURRENT FILING DATE: 2000-01-21

PRIOR APPLICATION NUMBER: US 09/04,182

PRIOR APPLICATION NUMBER: US 09/04,182

PRIOR APPLICATION NUMBER: US 09/034,341

PRIOR APPLICATION NUMBER: US 09/034,341

PRIOR FILING DATE: 1998-02-13

PRIOR APPLICATION NUMBER: US 09/045,400

PRIOR APPLICATION NUMBER: US 09/045,400

PRIOR APPLICATION NUMBER: US 09/321,214

PRIOR APPLICATION NUMBER: US 09/321,214

PRIOR APPLICATION NUMBER: US 09/31,598

PRIOR APPLICATION NUMBER: US 09/131,598

PRIOR APPLICATION NUMBER: US 09/131,598

PRIOR APPLICATION NUMBER: US 09/170,294

PRIOR FILING DATE: 1998-08-10

PRIOR APPLICATION NUMBER: US 09/170,294

PRIOR FILING DATE: 1998-01-13

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PRIOR APPLICATION NUMBER: US 09/179,473
PRIOR FILING DATE: 1998-10-27
PRIOR APPLICATION NUMBER: US 09/181,430
PRIOR FILING DATE: 1998-10-28
PRIOR APPLICATION NUMBER: US 09/235,076
PRIOR FILING DATE: 1999-01-20
PRIOR FILING DATE: 1999-01-20
PRIOR FILING DATE: 1999-01-22
Remaining Prior Application data removed - Se
NUMBER OF SEQ ID NOS: 10289
SOFTWARE: pt_CT_genes Version 1.01
SEQ ID NO 3680
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  , LOCATION: (441\overline{1})\dots(749) ; OTHER INFORMATION: similar to gi4240217 in the genepept database , OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters US-09-488-7258-3680
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                                                                             US-09-235-076-32
                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 32, Application US/09235076 GENERAL INFORMATION:
                                                                                                                                                                                                                                  SOFTWARE:
SEQ ID NO 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches
   Matches
                                       Query Match
                                                                                                                                                                                                                                                                CURRENT APPLICATION NUMBER: US/09/235,076
CURRENT FILING DATE: 1999-01-20
NUMBER OF SEQ ID NOS: 38054
                                                                                                                                                                                                                                                                                                                                           APPLICANT: Hyseq, Inc.
TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
                                                                                                                                                                                                                                                                                                                                 FILE REFERENCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(4411)
OTHER INFORMATION: n = a,t,c
                                                                                     FEATURE: misc_feature
NAME/KEY: misc_feature
LOCATION: (1)...(478)
OTHER INFORMATION: n = A,T,C or
                                                                                                                                                                      LENGTH: 478
TYPE: DNA
ORGANISM: Homo sapiens
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                     Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               86 GCGGCGCACTGCCAGCGGAAGTCGACCGTGTGTGAGAAGATCATGGAGTTGCTGGGAC 145
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            26 GCGAGAGCCCCGCGCCGGAGGCCGACCGTCCGCACCAGCGGCCCTTCCTGATAGGGGTGA 85
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        4410
 l Similarity 55...
63; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                94;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GCCTGAGGTGCCTTCAGGACACCCTCTGCCTCCACCAGGGCCCACACCCCCAAGGCCCTGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GGGAGCGCATCCAGGAGCTGGAGGCCCAGATGGATGTCATGCGGGAGGAGCTGGGACACA 1773
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AGAACGAGGTGGAACAGCGGCAGCGGAAGGTGGTCATCCTGAGCCAGGACAGGTTCTACA 205
                                                                                                                                                                                                                                                      FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AGGACCTGGAGGGCGA 1757
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AGGTCCTGACGGCAGA 221
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                   3.9%;
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Pred. No. 26;
0; Mismatches 102; Indels
 ٥,
                     Score 32.4;
Pred. No. 35
 Mismatches
                     35;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   See File Wrapper or
                                       DB 4;
 51,
                                     Length 478;
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   Indels
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Gaps
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CURRENT FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR FILING DATE: 1998-01-07
PRIOR FILING DATE: 1998-02-13
PRIOR FILING DATE: 1998-02-13
PRIOR APPLICATION NUMBER: US 09/045,400
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR APPLICATION NUMBER: US 09/31,598
PRIOR PILING DATE: 1998-08-10
PRIOR APPLICATION NUMBER: US 09/131,598
PRIOR APPLICATION NUMBER: US 09/170,294
PRIOR APPLICATION NUMBER: US 09/170,294
PRIOR APPLICATION NUMBER: US 09/170,294
PRIOR FILING DATE: 1998-08-10
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; Sequence 8030, Application US/09488725B
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NUMBER OF SEQ ID NOS: 10289
SOFTWARE: pt_CT_genes Version 1.01
SEQ ID NO 8030
LENGTH: 1749
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
APPLICANT: Yuanhua T.
                                                                                                                                                                                                      Matches
                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION NUMBER: US 09/181,430 PRIOR FILING DATE: 1998-10-28 PRIOR APPLICATION NUMBER: US 09/235,076 PRIOR FILING DATE: 1999-01-20 PRIOR APPLICATION NUMBER: US 09/234,611
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILE REFERENCE: 784
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Chenghua Liu
APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Cont
TITLE OF INVENTION: From Vari
                                                                                                                                                                                                                                                                                                                   ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1625)...(299)
OTHER INFORMATION: similar to gi5734486 in the genepept database release 114,
OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
                                                                                                                                                                                                                                Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: 1999-01-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US 09/179,473 FILING DATE: 1998-10-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              163 GCGGCGCGCACCGCCAAGATCAAGGAGGGCGAGCTGCAGCGGCTGCAGGCCACG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          121 GAGAAGATCATGGAGTTGCTGGGACAGAACGAGGTGGAACAGCGGCAGCGGAAGGTGGTC 180
                                                 191 AGGACAGGTTCTACAAGGTCCTGACGGCAGAGCAGAAG 228
                                                                                                                                                                                                l Similarity
57; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ATCCTGAGCCAGGACAGGTTCTACAAGGTCCTGACGGCAGAGCAGAAGGCCAAG 234
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GAGAAGACCAAGGAGCTGCAGGCGCTGCGCGAGGGGCTCATCCGGCAGCACGAGCAGGAG
                                                                                                                                                    TGGAGTTGCTGGGACAGAACGAGGTGGAACAGCGGCAGCGGAAGGTGGTCATCCTGAGCC 190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                John Tillinghast
Ankura Sinku
CGGAGCAGGCCACCCAGGAGTCCACATTCCAGGAG
                                                                                                   TGGAGTTGCAGCGCAGAAGGAGGCGGAGAAGCTGGAGCGGCAGCTGGCCCTGCCCGCCA 884
                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                           3.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  From Various Libraries
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                                                                                                                                                                                                      0; Mismatches
                                                                                                                                                                                                                             Score 32.4;
Pred. No. 33;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          See File Wrapper or PALM
                                                                                                                                                                                                                                                       DB 1;
                                                                                                                                                                                                      41;
  846
                                                                                                                                                                                                                                                       Length 1749;
                                                                                                                                                                                                      0
                                                                                                                                                                                                      Gaps
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RESULT 36 US-09-488-725B-906 ; Sequence 906, Ap

Application US/09488725B

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; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (17)...(1664)
; OTHER INFORMATION: similar to gi3043634 in the genepept database release
; OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
US-09-488-725B-906
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                                                                                                                                                                                                                                                                                                      US-09-488-725B-1497
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQ ID NO 906 CT_genes Version 1.01 LENGTH: 1955 TYPE: DNA ORGANTON
                                                                                                                                                                                                                                 Sequence 1497, Application US/09488725B
GENERAL INFORMATION:
APPLICANT: Yuanhua T. Tang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
                                                                                   APPLICANT: John Tillinghast
APPLICANT: Ankura Sinku
APPLICANT: Chenghua Liu
APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: From Various Libraries
                      CURRENT APPLICATION NUMBER: US/09/488,725B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Remaining Prior Application data removed -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR FILING DATE: 1998-01-07
PRIOR APPLICATION NUMBER: US 09/034,341
PRIOR FILING DATE: 1998-02-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Chenghua Liu
APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: From Various Libraries
FILB REFERENCE: 784
                                                                    FILE REFERENCE: 784
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION NUMBER: US 09/045,400 PRIOR FILING DATE: 1998-03-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR FILING DATE: 1999-01-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION NUMBER: US/09/488,725B
RIOR APPLICATION NUMBER: US 09/004,182
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OR APPLICATION NUMBER: US 09/131,598
OR FILING DATE: 1998-08-10
OR APPLICATION NUMBER: US 09/170,294
OR PILING DATE: 1998-10-13
OR APPLICATION NUMBER: US 09/179,473
OR PILING DATE: 1998-10-27
OR APPLICATION NUMBER: US 09/181,430
OR FILING DATE: 1998-10-28
OR APPLICATION NUMBER: US 09/235,076
OR APPLICATION NUMBER: US 09/235,076
OR APPLICATION NUMBER: US 09/234,611
OR APPLICATION NUMBER: US 09/234,611
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US 09/321,214 FILING DATE: 1999-05-26
                                                                                                                                                                                                                                                                                                                                                                                                140 GCGGCGCGCACCGCCAAGATCAAGGAGGGCGAGCTGCAGCGGCTGCAGGCCACG 193
                                                                                                                                                                                                                                                                                                                                                                                                                                             121 GAGAAGATCATGGAGTTGCTGGGACAGAACGAGGTGGAACAGCGGCAGCGGAAGGTGGTC 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           80 GAGAAGACCAAGGAGCTGCAGGCGCTGCGCGAGGGCTCATCCGGCAGCACGAGCAGGAG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3.9%;
nilarity 55.3%;
Conservative (
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Pred. No. 33;
0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      51;
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; Sequence 4795, Application US/0; GENERAL INFORMATION:
APPLICANT: Yuanhua T. Tang
APPLICANT: John Tillinghast
APPLICANT: Ankura Sinku
APPLICANT: Chenghua Liu
APPLICANT: Radoje T. Drmanac

APPLICANT: Chenghua Liu
APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: From Various Libraries
FILE REFERENCE: 784

Libraries

CURRENT APPLICATION NUMBER: US/09/488,7258
CURRENT FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US 09/004,182

US-09-488-725B-4795

Application US/09488725B

RESULT 38

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; LOCATION: (30)...(550)
; OTHER INFORMATION: similar to gi3880991 in the genepept database; OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters US-09-488-725B-1497
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SOFTWARE pt CT genes Version 1.01
SEQ ID NO 1497
LENGTH: 547
                                                                                                                                                                                                                                                                                                                                                                                            Matches 120;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US 09/181,430 FILING DATE: 1998-10-28 APPLICATION NUMBER: US 09/235,076 FILING DATE: 1999-01-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US 09/170,294
FILING DATE: 1998-10-13
APPLICATION NUMBER: US 09/179,473
FILING DATE: 1998-10-27
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AFFILCATION NUMBER: US 09/045,400
FILING DATE: 1998-03-20
APPLICATION NUMBER: US 09/321,214
FILING DATE: 1999-05-26
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US
                                                                                                                 578
                                    638 GAGTGGACAA 647
                                                                          229
                                                                                                                                                       169
                                                                                                                                                                                                                                    109
                                                                                                                                                                                                                                                                       458 ACCTGCGCCTCTTCGTGGACACCGACTCCGACGTCAGGCTGTCTCGAAGAGTTCTCCGGG
                                                                                                                                                                                                                                                                                                                                                  398 ACGTGGTTCTGTTTGAGGGCATCTTGGTGTTCTACAGCCAGGAGATCCGGGACATGTTCC
                                                                                                                                                                                                                                                                                                               52
                                                                                                             CGGCCTTCGAGGAGTTCTGCCTGCCGACAAAGAAGTATGCCGATGTGATCATCCCACGAG
GTCTGGGCCA 298
                                                                          TGGTCTACAACCAGCTCAACGGCCTTGCCAAGCCCATCGGCCTGGTGGAGGGGCCAGGAG
                                                                                                                                                                                          ACGTGCGCCGAGGGAGCGGAGCAGATTCTGACGCAGTACACCACCTTCGTGAAGC
                                                                                                                                                                                                                                GCTCCCAGGAGCTCGTGCGCATCGTGAGCGGCGACCCGCCGGGTGCGCAGCCCGACACGCCA 168
                                                                                                                                                     AGGTGGGCACGCTGGGGGACCGTGAGGCCATCCTGCAGCGCCTGGACCACCTGGAGGAGG
                                                                                                                                                                                                                                                                                                             ACATTCTGGTGTGGGGGATCGTCCTGTTCT---CCGTGTACTGCCGGCCTGCAGGGCC
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Pred. No. 36;
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FILING DATE: 1998-03-20 APPLICATION NUMBER: US 09/321,214

APPLICATION NUMBER: US 09/045,400 APPLICATION NUMBER: US 09/034,341

1998-02-13 1998-01-07

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RESULT 39
US-09-235-076-2484
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                                                                           Sequence 2484, Application US/09235076
GENERAL INFORMATION:
APPLICANT: Hyseq, Inc.
TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
FILE REFERENCE: 20411-756
CURRENT APPLICATION UNMEER: US/09/235,076
CURRENT FILING DATE: 1999-01-20
NUMBER OF SEQ ID NOS: 38054
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SEQ ID NO 4795
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                                                                  SOFTWARE:
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EQ ID NO 2484
LENGTH: 463
TYPE: DNA
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FRATURE:
RAME/KEY: misc_feature
LOCATION: (13)...(280)
OTHER INFORMATION: similar to gi806296 in the genepept database release
OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA
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APPLICATION NUMBER: US 09/179,473
FILING DATE: 1998-10-27
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FILING DATE: 1998-08-10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       216
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9 GGCGGGAGGCGAAGACTGCGAGAGGCCCCGCGCGCGGAGGCCGACCGTCCGCACCAGCGGCC 68
                                                                                                                                                                                                                                                                                                                                                                   GAAGA 280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CATGGAGTTGCTGGGACAGAACGAGGTGGAACAGCGGCAGCGGAAGGTGGTCATCCTGAG 188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GACCCTGCTCCCGGGCAGCCCCGCAGCGGCCGACGGGCGCCTGTCGCTGGGGGACCGTAT 155
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CTTCCTGATAGGGGTGAGCGGCGCACTGCCAGCGGGAAGTCGACCGTGTGTGAGAAGAT 128
                                                                                                                                                                                                                                                                                                                                                                                                             GTACA 253
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       CCGTCATGGCGGGAAGAAGATGCGGTTCCTGGTCGCGAAGTCCGACGTGGAAACAGCCAA 275
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CCAGGACAGGTTCTACAAGGTCCTGACGGCAGAGCAGAAGGCCAAGGCCTTGAAAGGACA 248
                                                                FastSEQ for Windows Version 3.0
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; Pred. No. 38;
0; Mismatches

    See File Wrapper or PALM

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; LOCATION: (1)...(463)
; OTHER INFORMATION: n = A,T,C
US-09-235-076-2484
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                                                                          US-09-488-725B-6574
                                                                                                                                                                                                                                         SOFTWARE: pt
SEQ ID NO 6574
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Matches
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Best Local :
                                    Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR FILING DATE: 1998-01-07
PRIOR APPLICATION NUMBER: US 09/034,341
PRIOR FILING DATE: 1998-02-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILE REFERENCE: 784
CURRENT APPLICATION NUMBER: US/09/488,725B
CURRENT FILING DATE: 2000-01-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Chenghua Liu
APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Cont
TITLE OF INVENTION: From Vari
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR FILING DATE: 1999-05-26
                                                                                         NAME/KEY: misc_feature LOCATION: (73)...(226) CTHER INFORMATION: similar to gi36484 in the genepept database OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
                                                                                                                                                                                  TYPE: DNA
ORGANISM: Homo sapiens
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                                                                                                                                                                                                                        LENGTH:
 Local Similarity
es 93; Conserv
                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US 09/234,611 FILING DATE: 1999-01-22
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APPLICATION NUMBER: US 09/235,076
FILING DATE: 1999-01-20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          99 САССССБАЛЬСТСВАСССТСТСТСВАСЛАСАТСАТССВСТССТСССВАССАСАЛССВАССТССВА
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                                                                                                                                                                                                                                                      CT_genes
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   Conservative
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                    3.8%;
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   <u>.</u>
                    Score 31.8;
Pred. No. 42
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Pred. No.
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   Mismatches 102;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 4;
                                                                                                                                                                                                                                                                                                See File Wrapper or PALM
                                    DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              40;
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                                     Length 5103;
   Indels
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   0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0,
                                                                                                                release 114,
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   Gaps
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26 GCGAGAGCCCCGCGCGGAGGCCGACCGTCCGCACCAGCGGCCCTTCCTGATAGGGGTGA 85

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                                                                                                                                                                                                                                                                                                                                                                          RESULT 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; ORGANISM: Homo sapiens
US-09-235-076-22668
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 22668, Application (
GENERAL INFORMATION:
APPLICANT: Hyseq, Inc.
TITLE OF INVENTION: HOVEL (
TITLE OF INVENTION: FROM VI
FILE REFERENCE: 20411-756
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-235-076-22668
                                                                                                          APPLICANT: Hyseq, Inc.
TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
FILE REFERENCE: 20411-756
CURRENT APPLICATION NUMBER: US/09/235,076
CURRENT PILING DATE: 1999-01-20
NUMBER OF SEQ ID NOS: 38054
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 24688
LENGTH: 496
TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: Fast.
SEQ ID NO 22668
LENGTH: 493
TYPE: DNA
                                                                                                                                                                                                                                                                                                 Sequence 24688, Application US/09235076
GENERAL INFORMATION:
APPLICANT: Hyseq, Inc.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/09/235,076
CURRENT FILING DATE: 1999-01-20
NUMBER OF SEQ ID NOS: 38054
PEATURE: nisc feature
NAME/KS: misc feature
LOCATION: (1)... (496)
OTHER INFORMATION: n = A,T,C
09-235-076-24688
                                                                                         ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local
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                                                                                                                                                                                                                                                                                                                                                                                                                               357
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        611 AGTATGCCGATGTGATCATCCCACGAGGAGTGGACAATATGGTTGCCATCAACCTGATCG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           237 TCAAGAAGAAAGTCAACGACAAGAACCCACACGTCGCCTTGTATGCCCTGGAGGTCATGG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                             TGGAGGAGCTGAAGGACCTGCTGAA 381
                                                                                                                                                                                                                                                                                                                                                                                                                                                                TGCAGCACATCCAGGACATTCTGAA 695
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AATCTGTGGTAAAGAACTGTGGCCAGACAGTTCATGATGAGGTGGCCAACAAGCAGACCA
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nilarity 51.0%;
Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NOVEL NUCLEIC ACID SEQUENCES OBTAINED FROM VARIOUS CDNA LIBRARIES
                      or
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; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (878)...(263)
; OTHER INFORMATION: similar to gill96436 in the genepept database
; OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
US-09-488-725B-6522
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-488-725B-6522/c
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                                                                                                                                                                                                                             Remaining Prior Application data removed NUMBER OF SEQ ID NOS: 10289
SOFTWARE: pt_CT_genes Version 1.01
SEQ ID NO 6522
LENGTH: 910
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 6522, Application US/09488725B GENERAL INFORMATION:
                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION NUMBER: US 09/004,182 PRIOR FILING DATE: 1998-01-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Yuanhua T. Tang
APPLICANT: John Tillinghast
                                                                                                                                                                                                                                                                                                                                           PRIOR FILING DATE: 1999-01-22
                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION NUMBER: US 09/181,430
PRIOR FILING DATE: 1998-10-28
PRIOR APPLICATION NUMBER: US 09/235,076
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION NUMBER: US 09/045,400
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: US 09/321,214
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR FILING DATE: 1998-02-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION NUMBER: US 09/034,341
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION NUMBER: US/09/488,725B
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Chenghua Liu
APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: From Various Libraries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
                                                                                                                                                                                        ORGANISM: Homo sapiens
                                                                                                                                                                                                              TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US 09/131,598 FILING DATE: 1998-08-10
                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US 09/234,611
                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 1999-01-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: 1998-10-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 1998-10-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US 09/170,294
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: 1999-05-26
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             394 GCGGACGTGGTTCTGTTTGAGGGCATCTTGGTGTTCTACAGCCAGGAGATCCGGGACATG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      112 GTGGAGCAGCTCCTGTACGAAAGCCCTGAGCGGTACTCCCGGTCAGTGCTTCTCATCACC 171
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; 68
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Score 31.4;
Pred. No. 55
                                                                                                                                                                                                                                                                                                                     See
                     DB 1;
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                                                                                                                                                                                                                                                                                                                     File Wrapper or PALM
                   Length 910;
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Matches

Local

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56.2%;

Conservative

<u>,</u>

Mismatches

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Indels

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Gaps

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 10289
SOFTWARE: pt_CT_genes Version 1.01
SEQ ID NO 6256
LENGTH: 6553
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GENERAL INFORMATION:
                                                                                                                                                                                                                                  Matches
                                                                                                                                                                                                                                                  Query Match 3.8%;
Best Local Similarity 51.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Yuanhua T. Tang
APPLICANT: John Tillingha
APPLICANT: Ankura Sinku
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION NUMBER: US/09/488,725B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Chenghua Liu
APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: From Various Libraries
                                                                                                                                                                                                                                                                                                                                          FEATURE:
NAME/KEY: misc feature
LOCATION: (193)...(5956)
OTHER INFORMATION: similar to gill07696 in the genepept database release 114,
OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US 09/045,400 FILING DATE: 1998-03-20 APPLICATION NUMBER: US 09/321,214
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US 09/034,341 FILING DATE: 1998-02-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US 09/004,182 FILING DATE: 1998-01-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US 09/234,611 FILING DATE: 1999-01-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US 09/181,430 FILING DATE: 1998-10-28 APPLICATION NUMBER: US 09/235,076 FILING DATE: 1999-01-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US 09/179,473 FILING DATE: 1998-10-27
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APPLICATION NUMBER: US 09/170,294
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                                                                                                                                        5203
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LING DATE: 1999-05-26
    CCTTTGATAATGATTTG 288
                                                                                                                                        AGAAAGAAGAAGAAGAAAAAAAAGAGGTGATGCTTCAGAATGGAGAGACCCCCAAGGACC
                                                                                                                                                                                     AGGTGGAACAGCGGCAGCGGAAGGTGGTCATCCTGAGCCAGGACAGGTTCTACAAGGTCC
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                                                                                           TGACGGCAGAGCAGAAGGCCAAGGCCTTGAAAGGACAGTACAATTTTGACCATCCAGATG 271
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AGGAGAGCCTGGTGAAGCGGCTGGCTGCCCAGGCCGACATGG 384
                                               TGAATGATGAGAAACAGAAGAAAAATATTAAACAACGTTTCATGTTTAACATTGCAGATG
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Pred. No. 51;
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Search completed: December Job time : 14250 secs

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Remaining Prior Application data removed -
NUMBER OF SEQ ID NOS: 10289
SOFTWARE: pt CT genes Version 1.01
SEQ ID NO 8299
SEQ ID NO 8299
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GENERAL INFORMATION
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Best Local Similarity
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APPLICANT: John Tillinghast
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION NUMBER: US 09/034,341 PRIOR FILING DATE: 1998-02-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION NUMBER: US/09/488,725B
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION NUMBER: US 09/004,182
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: Novel Contigs Obtained TITLE OF INVENTION: From Various Libraries
                                                                                                                                                                                                                                                                                                                                               PRATURE:
NAME/KP: misc feature
LOCATION: (46)...(1295)
OTHER INFORMATION: similar to gi3724099 in the genepept database release 114,
OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
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FILING DATE: 1998-10-27
APPLICATION NUMBER: US 09/181,430
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APPLICATION NUMBER: US 09/321,214
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TGCGTGCCCGGCTGGAGTGTGAGATCAACACATACCGGA 1117
                                      TGGTCATCCTGAGCCAGGACAGGTTCTACAAGGTCCTGA 214
                                                                               TGGCGGAGATCCGCAGTGACCTGGAGCGGCAGAACCAGGAGTACCAGGTGCTGCTGGATG 1078
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Radoje T. Drmanac
                                                                                                                                                                                                                                                Conservative
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Pred. No. 65;
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Result
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-MODEL=frame+_n2p.model -DEV=xlh -Q=us-09-896-522-1 -DB=*pep -SUFFIX=pto
-MODEL=frame+_n2p.model -DEV=xlh -Q=us-09-896-522-1 -DB=*pep -SUFFIX=pto
-OUT=align1_pep -MINMATCH=0.1 -LOOPCL=0 -LOOPEXT=0 -UNITS-bits -START=1
-END=-1 -MATRIX=blosum62 -TRANS=human40.cdi -LIST=45 -DCCALIGN=200
-THR SCORE=pct -THR_MAX=100 -THR_MIN=0 -ALIGN=45 -MODE=LOCAL -OUTFMT=pto
-NORMS=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=2000000000 -NCPU=6 -ICPU=3 -NO_XLPXY
-NEG SCORES=0 -DSPBLOCK=100 -LONGLOG -DEV TIMEOUT=120 -WARN_TIMEOUT=30
-THEADS=1 -XGAPOP=10 -XGAPEXT=0.1 -FGAPOP=6 -FGAPEXT=0.1 -YGAPOP=10
-YGAPEXT=0.1 -DELOP=6 -DELEXT=0.1
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US-09-488-725A-2188
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ALIGNMENTS

Query Match: DB: Percent Similarity: Best Local Similarity: RESULT 1 US-09-488-725A-6219 Score: Pred. No.: Alignment Scores: US-09-488-725A-6219 SOFTWARE: pt_FL_genes_b SEQ ID NO 6219 LENGTH: 296 Sequence 6219, Application US/09488725A GENERAL INFORMATION: PRIOR FILING DATE: 2000-10-19
PRIOR APPLICATION NUMBER: US09/727,344
PRIOR FILING DATE: 2000-11-29 APPLICANT: Hyseq Inc
TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides NUMBER OF SEQ ID NOS: 7144 PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: US09/693,036 PRIOR APPLICATION NUMBER: US09/653,450
PRIOR FILING DATE: 2000-08-31
PRIOR APPLICATION NUMBER: US09/662,191 PRIOR FILING DATE: 2000-06-20
PRIOR APPLICATION NUMBER: US09/620,312
PRIOR FILING DATE: 2000-07-19 CURRENT APPLICATION NUMBER: US/09/488,725A
CURRENT FILING DATE: 2000-12-22 PRIOR APPLICATION NUMBER: US09/598,042 PRIOR APPLICATION NUMBER: US09/552,317
PRIOR FILING DATE: 2000-04-25 PRIOR APPLICATION NUMBER: US/09/488,725
PRIOR FILING DATE: 2000-01-21 FILE REFERENCE: 784FLPCT TYPE: PRT
ORGANISM: Homo sapiens 1.64e-22 1551.00 100.00% 100.00% 51.11% Versions 1.0 Conservative: Mismatches: Indels: Gaps: Length: Matches: 0000296

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RESULT 2
US-09-488-725A-2647
US-09-488-725A-2647, Application US/09488725A
SEQUENCE 2647, Application US/09488725A
GENERAL INFORMATION:
APPLICANT: Hyseq Inc
TITLE OF INVENTION: Novel Nucleic Acid and Pol
FILE REFERENCE: 784FLPCT
CURRENT APPLICATION NUMBER: US/09/488,725A
CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: US/09/488,725
PRIOR FILING DATE: 2000-01-21
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PRIOR FILING DATE 2000-04-25
PRIOR FILING DATE 2000-06-20
PRIOR PRILING DATE 2000-06-20
PRIOR APPLICATION NUMBER: US09/620,312
PRIOR APPLICATION NUMBER: US09/620,312
PRIOR PRILING DATE 2000-07-19
PRIOR FILING DATE: 2000-08-31
PRIOR FILING DATE: 2000-08-31
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: US09/662,191
PRIOR PRILING DATE: 2000-10-19
PRIOR PRILING DATE: 2000-10-19
PRIOR PRILING DATE: 2000-10-19
PRIOR PRILING DATE: 2000-11-29
NUMBER OF SEQ ID NOS: 7144
SOFTWARE: pt FL-genes_b Versions 1.0
SEQ ID NO 2647
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Query Match:
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TYPE: PRT
ORGANISM: Homo
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      CCGACAAAGAAGTATGCCGATGTGATCATCCCACGAGGAGTGGACAATATGGTTGCCATC 753
                            GAGCAGATTCTGACGCAGTACACCACCTTCGTGAAGCCGGCCTTCGAGGAGTTCTGCCTG
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; Sequence 2, Application US/09536647

Patent NO. 6579708

; GENERAL INFORMATION:

APPLICANT: Ho, Yen Sen
APPLICANT: Johnson, Randall
FILE REFERENCE: GP50020

CURRENT APPLICATION NUMBER: US/09/536,647

; CURRENT FILING DATE: 2000-03-27

; NUMBER OF SEQ ID NOS: 3

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO 2
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TYPE: PRT
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TTGGTGTTCTACAGCCAGGAGATCCGGGACATGTTCCACCTGCGCCTCTTCGTGGACACC
                      GlnArgProPheLeuIleGlyValSerGlyGlyThrAlaSerGlyLysSerThrValCys
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APPLICANT: Ho, Yen Sen
APPLICANT: Johnson, Randall
FITTLE OF INVENTION: No. 6579708el Human Uridine Kinase
FILE REFERENCE: GP50020
CURRENT APPLICATION NUMBER: US/09/536,647
CURRENT FILING DATE: 2000-03-27
NUMBER OF SEQ ID NOS: 3
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 3
LENGTH: 277
TYPE: PRT
ORGANISM: Human
US-09-536-647-3
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Patent No. 6579708
GENERAL INFORMATION:
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RESULT 5
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; GENERAL INFORMATION:
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EARLIER FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 1890
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 1160
SEQ ID NO 1160
                                                                                                                                                            PEATURE:
NAME/KEY: SITE
(155)
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APPLICANT: Steve Ruben
TITLE OF INVENTION: Human Prostate Cancer Associated
FILE REFERENCE: PA101PCT
CURRENT APPLICATION NUMBER: PCT/US00/05988
CURRENT FILING DATE: 2000-03-08
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TYPE: PRT
ORGANISM: Homo sapiens
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NAME/KEY: SITE
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NAME/KEY: SITE
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                                                                                                                                     ATCCAGGACATTCTGAATGGTGACATCTGCAAATGGCACCGAGGAGGGTCCAATGGGCGG
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CURRENT APPLICATION NOWBER: US/99/488,725
PRIOR APPLICATION NUMBER: US/99/488,725
PRIOR APPLICATION NUMBER: US/99/52,317
PRIOR FILING DATE: 2000-01-21
PRIOR PELLING DATE: 2000-04-25
PRIOR FILING DATE: 2000-04-25
PRIOR FILING DATE: 2000-06-20
PRIOR APPLICATION NUMBER: US09/520,312
PRIOR PRILING DATE: 2000-07-19
PRIOR PELLING DATE: 2000-07-19
PRIOR PELLING DATE: 2000-08-31
PRIOR APPLICATION NUMBER: US09/663,450
PRIOR APPLICATION NUMBER: US09/662,191
PRIOR APPLICATION NUMBER: US09/662,191
PRIOR APPLICATION NUMBER: US09/662,191
PRIOR PILING DATE: 2000-09-14
PRIOR PILING DATE: 2000-10-19
PRIOR PILING DATE: 2000-11-29
NUMBER OF SEQ ID NOS: 7144
PRIOR PILING DATE: 2000-11
SEQ ID NO 5411
LENGTH: 342
TYPER: PRT
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TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides
FILE REFERENCE: 784FLPCT
CURRENT APPLICATION NUMBER: US/09/488,725A
CURRENT FILING DATE: 2000-12-22
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ORGANISM: Homo sapiens
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    US-09-488-725A-1839
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OFTWARE: pt_FL_genes_b Versions 1. Q ID NO 1835 LENGTH: 262 TYPE: PRT
PRIOR APPLICATION NUMBER: US09/727,344 PRIOR FILING DATE: 2000-11-29 NUMBER OF SEQ ID NOS: 7144 SOFTWARE: pt_FL_genes b Versions 1.0
APPLICATION NUMBER: US09/693,0 FILING DATE: 2000-10-19
APPLICATION NUMBER: US09/620, FILING DATE: 2000-07-19
XIOR FILING DATE: 2000-04-25 RIOR APPLICATION NUMBER: US09/598,042 NTOR FILING DATE: 2000-06-20
PPLICATION NUMBER: U
G DATE: 2000-12-22 TION NUMBER: US/09/488,725
RESULT 7 US-09-488-725A-1839 US-09-488-725A-1839, Application US/09488725A ; GENERAL INFORMATION: ; APPLICANT: Hyseq Inc
332 erArgProHis 335
914 GCAGACCCCAC 924
854 AGCCAGGGGACCACCCTGGGANTGCTGACCTCTGGCAAACGGTCACATTTGGAGTCCAGCA :::
734 TGGACAATATGGTTGCCATCAACCTGATCGTGCAGCACATCCAGGACATTCTGAATGGTG
266 laPheGluGluPheCysLeuProProLysLysTyrAlaAspValIleIleProArgGlyA
46
617 GCCGAGGGAGCTGGAGGCAGATTCTGACGCAGTACACCACCTTCGTGAAGCCGG
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60
503 TTGAGGGCATCTTGGTGTTCTACAGCCAGGAGATCCGGGACATGTTCCACCTGCGCC
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166 leLeuLysThrLeuLysGluIleThrGluGlyLysThrValGlnIleProValTyzAspp

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                                           CATTTGGAGTCCAGCAGCAGACCCCAC 924
                                                                                                                 GACATTCTGAATGGTGACATCTGCAAATGGCACCGAGGAGGTCCAATGGGCGGAGCTAC
                           AlaSerGluSerSerSerArgProHis 261
                                                           rAsnGly---CysLeuAsn-----
                                                                               AAGCGGACCTTTTCTGAGCCAGGGGACCACCCTGGGATGCTGACCTCTGGCAAACGGTCA
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Percent Similarity:
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CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: US/09/488,725
PRIOR APPLICATION NUMBER: US/09/488,725
PRIOR APPLICATION NUMBER: US09/552,317
PRIOR APPLICATION NUMBER: US09/558,042
PRIOR APPLICATION NUMBER: US09/598,042
PRIOR FILING DATE: 2000-06-20
PRIOR FILING DATE: 2000-06-20
PRIOR APPLICATION NUMBER: US09/620,312
PRIOR APPLICATION NUMBER: US09/620,312
PRIOR FILING DATE: 2000-09-19
PRIOR FILING DATE: 2000-09-14
PRIOR PRIOR PRIOR DATE: 2000-09-14
PRIOR PRIOR PRIOR DATE: 2000-10-19
PRIOR APPLICATION NUMBER: US09/62,191
PRIOR APPLICATION NUMBER: US09/62,344
PRIOR APPLICATION NUMBER: US09/63,036
PRIOR PILING DATE: 2000-10-19
PRIOR APPLICATION NUMBER: US09/727,344
PRIOR APPLICATION NUMBER: US09/727,344
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Alignment Scores:
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TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILE REFERENCE: 784FLPCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1612 AAGCCTGGGTGTGATGCTGGGTGCTTCCAGGGCATCCGCCTCGCTTCTCTGCCTTTAAGG 1553
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    117 LysGluGlnCysThrGlyGlyCys-CysProAlaSerAlaGlnAla------
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yThr-----GlyGlnThrAspValArgThrLeuCysSerLeuHisGlyValPheAsp
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                                                                    CATCAGGCCAGCCAGTGTCTAGGC-----
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                                                                                                                                                                                       GTAAGAACCAGATCAGAACTGGAAAAAACTCTCTCCCACTGTGGGTTCACTGTCAACAAAA 1286
                                                                                                                                                                                                                                                                                                                                                                                                                                               ----Cys-----ProAspAspCysAsnAsp---GlnGlyArg
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ThrAspAlaGluIleProProSerSerProProSerAla----SerGlySer-----
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                                                                                                                                                                                                                                                                                                  -----CysValArgGlyArg------
                                                                                                                                                 Phe----ProGlyTyrThrGlyProSer-----CysGlyTrp------
--ProSer--CysProGlyAspCysGlnGlyArgGlyArgCysValGlnGlyVal 231
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Indels:
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-		476GluSerGlyArgCysMetCysTrpProGlyTyrThrGlyArgAspCysGly 492 520 ACACCAAGATGCCCTCAAACAGAACCACGTCCGCCGCGCGCG	565 CGAAGAGGCGCAGGTGGAACATGTCCCGGATCTCCTGGCTGTAGA 521	469 CyBArgGly475		of 9 GC GLASATIC GCTCLAGGTCCC 626		709 CATACTTCTTTGTCGGCAGGCAGAACTCCTCGAAGGCCGGCTTCACGAAGGTGGTGTACT 650			799AGATGTCACCATTCAGAATGTCCTGGATGT 770	AspThrGlyTyrSerGlyAspAspCysGlyValArgSerCysProGlyAspCysAsnGln		823 TGGACCTTCTCGG		883 AGGTCAGCATCCCAGGGTGGTCCCCTGGCTCAGAAAAGGTCCGCTTGTAGCTCCGCCCAT 824	928 CICAGIGGGITCIGCTGCTGCTGGACTCCAAAIGTGACCGTTTGCCAG 884	roGlyTyrThrGlyGluAspCys-GlyThrArgSerCysPro	CAGGCTCAGTCCCTGAACACACACATGCCGGGCGGGGAGACCTGCCCTGAGGCTCGGCAGCCC			CACATCTGAGTTTCCACTCCTGAGTGAGGAAGGCCTCGCTGACAC	287 yArgCysGluAsnGlyArgCysValCysAsnProGlyTyrThrGlyGluAs 304	269 TIDIGIYABBABDCYSGIYMETAIGSETCYBPIOATGGIYCYBSETGIDAIGGI 287 1144 CTAAGTGGCTGAAAACCTCAGGAACGCCTTGTGAGGAACGTGTGAGGAACGAAC	Trotgiggcatttotoagtgacctagagggatctttaaaccgcaacgagc	-ArgGlyCysSerGlnArgGlyArgCysGluGlyGlyArgCysValCysAspProGlyTy	232 CysValCysArgAlaGlyPheSerGlyProAspCysSerGlnArgSerCysPro 249	TGTCTCCTCAATTTCCCCCAATAA
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110 110	807 ArgGlyLeuAlaProGlyGlnGluTyrGlnValThrValArgAlaLeuArgGlyThrSer 826		787 GluGlyAlaSerProProPheThrAlaArqValProSerSerAlaSerAlaTyrAspGln 806	GluTrpThrProAlaProGlyProValAspAlaTyrGluIleGlnPheIleProThrThr	122 122	747 GluValProThrIleGluGlyMetArgMetHisLeuLeuGluGluThrThrValArgThr 766	122		707 GlyPheArgGlyProAspCysAlaIleGlnThrCysProGlyAspCysArgGlyArgGly 726	130CGGGGC 125	687 CysProGlyGlyCysGlyProArgGluLeuCysArgAlaGlyGlnCysValCysValGlu 706	667 LeuCysHisValGlyTyrGlyGlyGluAspCysGlyGlnGluGluProProAlaSerAla 686	139	 GlyArgcysvalGlnGlyValCys		201CTTCCGCTGGCAGTGCCGC 182	 erAsnCysHisGlyArgGlyArgCysGluGluGlyArgCysLeuCy	GCAACTCCATGATCTTCTCACACACGGTCGA	254	luAspCysGlyValArgGlnCysProAsnAspCysSer		259 GCCGC	TyrSerGlyGluAspCysSerThrArgSerCysProGlyGly	295AGAACCTGTCCTGGCTCAGGATGACCACCTTCCGCT 260	340 GTCCTTTCAAGGCCTTGCCTTCCCGCCGGAGGACCTTGT 296	ThrGlyGluAspCysGlySerArgArgCysProGlyAspCys	TCTTCAGAGTCCTGTGCATCAA	505ArgCysValAspGlyArgCysValCysAsnProclyPhe 517

Alignment Scores: 2.84 Feed. No.: 2.84 Score: 494.00 Matches: 227 Percent Similarity: 16.99\$ Conservative: 61 Best Local Similarity: 13.39\$ Mismatches: 119 Query Match: 16.51\$ Indels: 1289	0 Z · · · ;	NT APPLICATION NUMBER: US/09/488,725A NT FILING DATE: 2000-12-22 APPLICATION NUMBER: US/09/488,725 FILING DATE: 2000-01-21 APPLICATION NUMBER: US/09/552,317 FILING DATE: 2000-04-25 APPLICATION NUMBER: US09/598,042 PILING DATE: 2000-06-20 APPLICATION NUMBER: US09/620,312 FILING DATE: 2000-07-19 APPLICATION NUMBER: US09/620,312 FILING DATE: 2000-08-31 APPLICATION NUMBER: US09/653,450 FILING DATE: 2000-09-14 APPLICATION NUMBER: US09/62,191 FILING DATE: 2000-09-14 APPLICATION NUMBER: US09/662,191 FILING DATE: 2000-09-14 APPLICATION NUMBER: US09/663,036	Qy 25 GCGCCGAGGTCGGAGGCGACCCCA 2	Db 927 HisGlnGlnTrpTrpAlaTrpArgGlyMetGlyGlyLeuArgAspThrAspArgPhePro 946 Qy 100AAGCCATCTCGGCCT 86	Oy 103 CCG	827 TrpGlyLeuProAlaSerLysThrIleThrThrMetIleAspGlyProGlnAspLeuArg 110
12 12	Oy 1217	1317 TCTCTCCCACTGTGGG 190	140 LeuArgAlaProThrAlaGluLyBAlaAlaPheTyrLeuAsgAlaAlaLeuAlaArg 1413	Qy 1459 1459 Db 100 GlnSerLeuArgAspLeuLeuAlaGluValAlaProGlySerLeuGlnAspThrGlnSer 119 Qy 1458AGGCCACAACCAGCCTTGTGTTATGAAACAGAAAAACAT 1414	Qy 1510 CCGTGTAGGCCACGCTGGAACCACTGGGTCATGAATTAG	: -09-896-5: 16

610 luGluLeuSerLeuGlyAlaLeuAlaGlyAlaGlyArgProThrSerLeuAlaSerPheA 630 686 686 630 spSerAspCysSerLeuArgAlaLeuAlaSerGlySerArgProValSerIleIleSerS 650 685	538 luGluProGlyGlyGlyThrAspGlyValAlaArgThrProProValGlyMetSerG 558 781	918 TCTGC	YATGLYSPROSERPROPROGLUALAALASERPROATGLYS TGAGTTTCCACTCCTGAGTGAGGAAGGCCTCGCTGGCTAAC	
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953 roproAlaProProTnrArgLysSerSerLeuGluGlnArgSerSerProAlaSerAla- 952 273 GACCACCT	. 4	426 CTCCACCGTTTTGCCCTCCA	618 GC	H

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	156 CTGGTGCGGACGGTCGG	ysalaargalaSerLysValGluAlaAlaHisArgLeuAlaGlyHisAlaSerLeuGluA 1	
Qy 1567TCTTGCCTTTAAGGCACAAGCAAGGGGAAAACATCCCTCAGTGGC 1520 Db 37 ValLeuLeuAlaLeuProValAlaTrpGlyGlnCysAsnAlaProGluTrpL 54 Qy 1519 TCCCCA	Alignment Scores: 7.77	TH EZZ SPSPSPSPSPSPSPSPSPSPSPSPSPSPSPSPSPSPS	RESULT 10

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Qy 521 521 Db 818 lyGlnLeuLeuAsnGlyArgValLeuPheProValAsnLeuGlnLeuGlyAlaLysValA 838	1005 GTGTGGGTGGGCGTCCCCAGGCTCAGTCCCTGA 973
555 CAGGTGGAACATGTCCCGGATCTCCTGGCTGGAACA	1022
590AGCCTGACGTCGGAGTCGGTGTCCACGAAGAGGCG	1038 ACTCCCCTGGGGTGCG1023
603 AACTCTTCGAGAC	1098 TTGAGTCTGAGTGACACCTCTGAGTTTCCACTCCTGAGTGAG
Qy 655TGTACTGCGTCAGAATCTGCTCCAGGTCCCTCGGCGCACGTCCCGGAG 604 :::	1158 AAACCGCAACGAGCCTAAGTGGCTGAAAAACCTCAGGAACGCCTGTCAGGTGTCCCAGCAAG 1099 ::: :::
Oy 688AGAACTCCTCGAAGGCCGCCTTCACGAAGGTGG 656 ::: Db 726 alMetLysGlyProArgArgValLysCysGlnAlaLeuAsnLysTrpGluProGluLeuP 746	1218 GAAGCCTCCCAGGCTTCCTGGACATTCTGTGGCATTTCTCAGTGACCTAGAGGGATCTTT 1159 :::
706 spåsnårgSerLeuPheSerLeuAsnGluValValGluPheÅrgCysGlnProGlyPheV	1242 ATAATGTGCCTCACATCCTCACA 1219
686 lnCysIleIleProAsnLysCysThrProProAsnValGluAsnGlyIleLeuValSerA	1281 AGGCCAGTGTCTAGGCTGTCTCCTCAATTTCCCCA 1243 ::
738 GTC 670 ys-	1341 GAACCAGATCAGACTGGAAAAAACTCTCTCCCCACTGTCGGTTCACCTGTCAACAAAACATC 1282 :::
777 CIVEARIGIGCIGCAGARCA	1365 TGAGTTATGTGTGAGTGTGTAA 1342
799AGANGTCACCATTCAGAATGTC	1425 AACAGAAAACATGAGGACATGTAACATGTAAAAAAAGGAAAGTACTTGTTCACAAAAACTTT 1366
801 GC	1471 AAATTAGGTTTGTAGGCCACAACCAGCCTTGTGTTATGAAACAGAA 1426 :::
849 596	GlyPheValMetLysGlyProArgArgValLysCysGlnAlaLeuAsnLysTrpGluPro
Qy 859CTGGCTCAGA 850 Db 576 leGlnValGlySerArgIleAsnTyrSerCysThrThrGlyHisArgLeuIleGlyHisS 596	1487 1487 254 ValSerAspAsnArgSerLeuPheSerLeuAsnGluValValGluPheArgCysGlnPro 273
	1487 1487 234 AlaProGlnCysIleIleProAsnLysCysThrProProAsnValGluAsnGlyIleLeu 253
	1487 1487 214 GlyGluProSerIleTyrCysThrSerAsnAspAspGlnValGlyIleTrpSerGlyPro 233
Db 522 rSerLeuLysTyrGluCysArgProGluTyrTyrGlyArgProP 537	194 SerValValThrTyrArgCysAsnProGlySerGlyGlyArgLysValPheGluLeuVal 213
Db 502 pHisPheLeuPheAlaLysLeuLysThrGlnThrAsnAlaSerAspPheProIleGlyTh 522 968ACATGCCGGGCGGAGACCTGCCCTTGAGGCTCGGCAGCCCC 928	ProProThrIleThrAsnGlyAspPheIleSerThrAsnArgGluAsnPheHisTyrGly
Qy 972 ACAC 969	154 GlyAspThrValIleTrpAspAsnGluThrProIleCysAspArgIleProCysGlyLeu 173

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z	311 GCCGTCAGGACCTTGTAGAACCTGT287	Ş
; PRIOR	1177 etLysGlyProArgArgValLysCysGlnAlaLeuAsnLysTrpGluProGluLe 1195	Вρ
	357ATGGTCAAAATTGTACTGTCCTTTCAAGGCCTTCGGCCTTCTGCTCT 312	Ş
; PRIOR	1157 snArgSerLeuPheSerLeuAsnGluValValGluPheArgCysGlnProGlyPheValM 1177	뭥
	358 358	á
PRIOR	1137 ysIleIleProAsnLysCysThrProProAsnValGluAsnGlyIleLeuValSerAspA 1157	Дb
; PRIOR APPLICATION ; PRIOR FILING DATE	358 358	8
; PRIOR	1117 erīleTyrCysThrSerAsnAspAspGlnValGlyTleTrpSerGlyProAlaProGlnC 1137	뭥
	388TGTGCATCAAATCATTATCAAAGGCATCTGG358	ş
; CURRE	1097 hrTýrArgCysAsnLeuGlySerArgGlyArgLysValPheGluLeuValGlyGluProS 1117	Вb
FILE OF INVENTION	406CGATGTTCTCAGAGTCC 389	Ş
· · · ·	1077 leAlaAsnGlyAspPheIleSerThrAsnArgGluAsnPheHisTyrGlySerValValT 1097	90
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Oy 11	1037 rThr-GlyHisArgLeuIleGlyHisSerSerAlaGluCysIleLeuSerGlyAsnThrA 1057	ర్జ
Db 1373 eArgCy	447 CACAAAATCATAGG 434	Ś
Qу 34	lileThrAspIleGlnValGlySerArgIleAsnTyrSerCysTh	밁
Db 1353 rThrCy	TGGT	Ş
Оу 35	erserrouysaspvaicyshysarghyssercyshysinirroroxsprovalas	ם כ
Db 1333 uAsnGl		\$ 5
QY 70	omomoodoo ndiistaanamaadaanaana formistiistaatiista ja ka ka ista kii ista ka ista ka ka ista ka ista ka ista ka ka ista	} 5
Db 1318 lProVa		\$ 5
Qy 107 CCCG	ysLeuLysThrGlnThrAsnAlaserAspPheProlleGlyThrSerLeuLys1yrGluC	, B
Db 1305	08	. 5
Qy 167 AGGAAG	38 roAlaProArgCysGlyIleLeuGlyHisCysGlnAlaProAspHisPheLeuPheAlaL	문
Db 1287 alSerP		δ
Оу 195	918 leGlyGluSerThrIleArgCysThrSerAspProGlnGlyAsnGlyValTrpSerSerP 938	Дb
Db 1268GlyG	521 521	ş
Qy 209 ACGGTC	898 lyLysAlaValAsnTyrThrCysAspProHisProAspArgGlyThrSerPheAspLeuI 918	당
Db 1253 ProGlu	521 521	8
ОУ 257	878 erProProValIleProAsnGlyArgHisThrGlyLysProLeuGluValPheProPheG 898	В
Db 1233 ProGly	521 521	ð
Qy 258	858 laGlyMetGluSerLeuTrpAsnSerSerValProValCysGluGlnIlePheCysProS 878	망
Db 1213 sThrPro	521 521	Ş
Qу 286	838 spPheValCysAspGluGlyPheGlnLeuLysGlySerSerAlaSerTyrCysValLeuA 858	皮
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rThrCysAspProHisProAspArgGlyMetThrPheAsnLeuIleGlyGluSerThrIl 1373	1353	В
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GlyGlnLeuProHisGlyArgValLeuPheProLeuAsnLeuGlnLeuGlyAlaL	1268	몽
ACGGICGACTICCC	209	Ş
ProGluAlaProArgCysAlaValLysSerCysAspAspPheLeu-	1253	В
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${\tt ProGlyTyrAspLeuArgGlyAlaAlaSerLeuHisCysThrProGlnGlyAspTrpSer}$	1233	₽ D
	258	\$
gThrProSerHisGlnAspAsnPheSerProGly-GlnGlu-ValPheTyrSerCysGlu 1232	1213	뭣
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 uProSerCysSerArgValCysGlnProProProGluIleLeuHisGlyGluHi 1213	1195	皮

US-09-488-725A-5941
VS-09-488-725A
Sequence 5941, Application US/09488725A
GENERAL INFORMATION:
APPLICANT: Hyseq Inc
TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides
FILE REFERENCE: 784FLPCT
CURRENT APPLICATION NUMBER: US/09/488,725A
CURRENT FILING DATE: 2000-12-22
PRIOR FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US/9/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR FILING DATE: 2000-04-25
PRIOR PPLICATION NUMBER: US/9/598,042
PRIOR APPLICATION NUMBER: US/9/598,042
PRIOR APPLICATION NUMBER: US/9/598,042
PRIOR APPLICATION NUMBER: US/9/598,042
PRIOR FILING DATE: 2000-06-20
PRIOR APPLICATION NUMBER: US/9/59,045
PRIOR FILING DATE: 2000-07-19
PRIOR FILING DATE: 2000-09-62,191
PRIOR APPLICATION NUMBER: US/9/62,191
PRIOR APPLICATION NUMBER: US/9/62,036
PRIOR APPLICATION NUMBER: US/9/63,036

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US-09-488-725A-5941
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SEQ ID NO 5941
LENGTH: 2045
TYPE: PRT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           37 ValLeuLeuAlaLeuProVal-----AlaTrpGlyGlnCysAsnAlaProGluTrpL
              GlyPheValMetLysGlyProArgArgValLysCysGlnAlaLeuAsnLysTrpGluPro 293
                                                                                                                                                                                                                                                                                                                                                                                  GlyAspThrVallleTrpAspAsnGluThrProIleCysAspArgIleProCysGlyLeu 173
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                                                                         ValSerAspAsnArgSerLeuPheSerLeuAsnGluValValGluPheArgCysGlnPro
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                                                                                                                                                                                                                                                            SerValValThrTyrArgCysAsnProGlySerGlyGlyArgLysValPheGluLeuVal 213
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                            erSerAlaGluCysIleLeuSerGlyAsnAlaAlaHisTrpSerThrLysProProIleC
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                                                                                                                                                                                                                                                                                                                                                                                                 lyVal--TrpSerSerProAlaProArgCysGlyIleLeuGlyHisCysGlnAlaProAs 502
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                                                                                      leGlnValGlySerArgIleAsnTyrSerCysThrThrGlyHisArgLeuIleGlyHisS
                                                                                                                                                   rgLysSerCysLysThrProProAspProValAsnGlyMetValHisValIleThrAspI
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                                                         -----AGCTCCGCCATTGGACCCTCCTCGGTGCCATTT
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Qy 195	1253 ProGluAlaProArgCysAlaValLysSerCysAspAspPheLeu 209 ACGGTCGACTTCCC	Db 1213 sThrProSerHisGlnAspAsnPheSerProGly-GlnGlu-ValPheTyrSerCysGlu 1232 Qy 258 258 Db 1233 ProGlyTyrAspLeuArgGlyAlaAlaSerLeuHisCysThrProGlnGlyAspTrpSer 1252 Qy 257	1177 311 1195 286	ysIleIleProAsnLysCysThrProProAsnValGluAsnGlyIleLeuValSerAspA	1077 406 1097 388 1117	Thr-GlyHisArgLeuIleGlyHisSerSerAlaGluCysIleLeuSerGlyAsnThrA TCGGCACCTCCACCGTTTTGC	958 495 978 475 998 998 465 1017

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QY 1564 CTGCCTTTAAGGCAAGCAAGGGGGGAAAAACATCCCTCAGTGGCTCCCCATATCCGTGT 1505	QY 1624 CTGGCCCCGCACAAGCCTGGGTGTGATGCTGGGTGCTTCCAGGGCATCCGCCTCGCTTCT 1565)9-488-72	16.30% Mismaccnes: 16.30% Indels: 1 Gaps:	. No.: 0.361 e: 487.80 ent Similarity: 23.80%	9-488-725A-5708		; SEC 1D NO 5/08 ; LENGTH: 631 ; TYPB: PRT	WBER OF SEQ ID NO	PRIOR FILING DATE: 2000-11-29 PRIOR FILING DATE: 2000-11-29	APPLICATION N	FILING DATE: 2000-01 APPLICATION NUMBER: ETITING DATE: 2000-01	DATE:	APPLICATION N FILING DATE:	APPLICATION N	PPLICATION NUMBER: US	R: US/09/488,725A 0-12-22		US-09-488-725A-5708 ; Sequence 5708, Application US/09488725A ; GENERAL INFORMATION:	RESULT 12	1393	1] G		1353 rThrCysAspProHisProAspArgGlyMetThrPheAsnLeuIleGlyGluSerThrIl	Qy 35 35	Db 1333 wAsnGlyArgHisThrGlyThrProSerGlyAspIleProTyrGlyLysGluIleSerTy 1353	CITCCCCGGGCCCGGCGC	Qy 107 CCCG
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                                                                                                                                                                                                                                                                    AlaProSerArgAlaAlaProProValSerArgCysArg-ProProProProProProProPr
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                                                                                                                                                                                                                                            AGCAACTCCATGATCTTCTCACACACGGTCGACTTCCCGCTGGCAGTGCCGCCGCTCACC 174
                                                                                                                                                                                                                                                                                                                  -----ThrGlyThrArgArgProTrp-----AlaGlyProGlyThrArgCysSerThr 550
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                                                               ProArgProGluProProProProAla----
                                                                                       CCTTCCCCGGGCCGGCGCGCCCGCCCAGCGCGAGGTCGGAGGCGACCC
                                                                                                                                         ----SerGly-----GlyAlaSerGlySerProAlaAlaSerCysSerCysSerCy 597
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SOFTWARE: pt FL genes_b Versions 1.0
SEQ ID NO 3457
LENGTH: 1410
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TITLE OF INVENTION: Novel Nucleic Acid and
FILE REFERENCE: 784FLPCT
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PRIOR APPLICATION NUMBER: US09/598,042
PRIOR FILING DATE: 2000-06-20
PRIOR APPLICATION NUMBER: US09/620,312
PRIOR FILING DATE: 2000-07-19
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PRIOR FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US09/552,317
PRIOR APPLICATION NUMBER: US09/552,317
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PRIOR FILING DATE: 2000-11-29
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ORGANISM: Homo sapiens
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PILING DATE: 2000-09-14
APPLICATION NUMBER: US09/693,036
FILING DATE: 2000-10-19
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                                                                    heAsnLeuSerGluLysArgHisAspLeuThrArgLeuAsnProLysValGlnAspPheG 196
                                                                                                                                                                                                                    AAACAGAAAACATGAGGACATGTAACATGTAAAAAAGGAAAGTACTTGTTCACAAAACTT 1367
                                                                                                                                                                                                                                                                    rgHisArgGlyHis---LeuArgGluLeuAlaHis-----ValLeu-----
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                                                                                                                                                                    -GlnSerLysHisArgAsp-----
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461 nHisHisGluAspSerValAspGlySerLeuThrHisThrArgGlyProLeuAspGlySe 481 1111		ARGGLAGCCAGTGTCTAGGCAT CACAGAAGCCGlyProGlnLeuThrPheProLysaGCTTCCTGCACATTCTTTGCAGCTTCTTGGCATTCTTTCT	313 oAlaPheGluProGlyThrGlyPheGlnProPheLeuLy8IleTyrGlnSerMetGlnLe 333 1297	1340ACCAGA 1334 275 luLeuGlnProSerGlnArgArgTyrIleSerTyrPheSerGlyLeuLeuSerGlySerI 295 1333 TCAGACTGGAAAAACTCTCTCCCACTGTGGGTTCAC		isAlaProProLeuAspLysLeuCysSerIleCysLysAlaM
Qy 681 CTCGAAGGCCGGCTTCACGAAGGTGGTGTACTGCGTCAGAATCTGCTCCAGGT 629	743 yHisHisHisAlaProMetProAspTyrSerCysLeuLysProProLysA 775	Qy 900 ATGTGACCGTTTGCCAGAGGTCAGCATCCCAGGGTGGTCCCTGGCTCAGAAAAGGTCCG 841	Db 649 luGlyLeuTyrProTyrProbrodiu-MetdiyLysbroAlaThrdiyAspPheGlyTyr 668 Qy 919	Qy 947	947	QY 987 AGGCTCAGTCCCTGAACACACATGCCGGGGGGAGACCTGC 947

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                                                                                                                                pThrSerLysPheTrpTyrLysProHisLeuSerArgAspGlnAlaIleAlaLeuLeuLy 1155
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PRIOR FILING DATE: 2000-11-29
NUMBER OF SEQ ID NOS: 7144
SOFTWARE: pt FL genes_b Versions 1.0
SEQ ID NO 3157
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TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides
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TYPE: PRT
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FILING DATE: 2000-09-14
APPLICATION NUMBER: US09/693,036
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                                               GGCGCGGGACCCGATGCGCGGAGGCGGAGGCCGAGATGGCTTCGGCGGG-------
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  --GlyPro----ArgGlyArgProGlyTyrAspGlyCysAsnGlyThrGlnGlyA 143
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Gaps:
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euProSerGlySerGlyPro----GluPro---LeuAla--

629 629 395 spGlyAspGlnArgArgGlyLeuProGlyGluMetGlyProLysGlyPheIleGlyAspP 415 630		382 ATGCACAGGACTCTGAAGAACATCGTGGA	295 TACAAGGTCCTGACGGCAGAGGCCAAGGCCCTTGAAAGGACAGTAC 345	107
Qy 1272	639 ĠİyLeuProdİyProProdİyPheLeuĞİy	Db 595 ylleLysGlyProProGlyAspPro-GlyTyrProGlyIleProGlyThrLysGly 613 Qy 1018	814 GGAGGGTCCAATGGGCGAACTACAAGCGGACTTTCTGAGCCAGGGGACCAC 814 GGAGGGTCCAATGGGCGAACTACAAGCGGACTTTTCTGAGCCAGGGGACCAC 814 :: :: :: :::	Qy 692 692 bb 452 euLysGlyAlaLysGlyArgAlaGlyPheProGlyLeuProGlySerProGlyAlaProG 472 Qy 693

Descent Similarity: 20.22* Conservative: 55	D NO 2519 GTH: 948 E: PRT ANISM: Homo sapiens 88-725A-2519 nt Scores: 3.48 Length: 462.60 Matches:	PRIOR FILING DATE: 2000-08-31 PRIOR APPLICATION NUMBER: US09/662,191 PRIOR FILING DATE: 2000-09-14 PRIOR FILING DATE: 2000-09-16 PRIOR PILING DATE: 2000-10-19 PRIOR PILING DATE: 2000-10-19 PRIOR PILING DATE: 2000-11-29 PRIOR FILING DATE: 2000-11-29 NUMBER OF SEQ ID NOS: 7144 SOFTWARE: pt_FL genes b Versions 1.0	ELICATION NUMB LING DATE: 200 PELICATION NUMB LING DATE: 200 PELICATION NUMB LING DATE: 200 PELICATION NUMB PELICATION NUMB	RESULT 15 US-09-488-725A-2519 ; Sequence 2519, Application US/09488725A ; GENERAL INFORMATION: ; APPLICANT: Hyseq Inc ; TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides ; FILE REFERENCE: 784FLPCT ; CURRENT APPLICATION NUMBER: US/09/488,725A ; CURRENT APPLICATION NUMBER: US/09/488,725A	QY 1532 TGTTTTCCCCCCTTGTGCCTTAAAGGCAGAGAAGCGAGGCGATGCCCTTGGAAGCA 1591	Db 777 uGlyAlaGlnProGlyProArgGlyAspAlaGlyValProGlyGlnProGlyLeuLysGl 797 Qy 1512TATGGGGAGCCACTGAGGGA 1531 Qy 1597 yLeuProGlyAspArgGlyProProGlyPheArgGlySerGlnGlyMetProGlyM 816	
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1133 AAAACCTCAGGAACGCCTGTCAGTGTCCCAGCAAGTTGAGTCTGAGTGACACATCTGAGT 1074 ::: :::	336 BNValCysLysAlaSerAla	1370 ACTTTTGAGTTATGTGTGAGTGTGAAGTAGAACCAGATCAGACTGG	1406	216 gArgThrValSerGluSerValIleAlaValLysAlaSerPheProSerSerAlaLeuPr 236 1498	176 oThrArgAlaArgGlyThrCysSerValGluAspProLeuLeuValCysGlnLysGlnPr 196 1499 1499 196 oGlyLysProArgMetValLysSerValGlySerValGlyAspSerProArgGluProAr 216 1499 1499		1589 CTTCCAGGGCATCCGCCTCGCTTCTCTGCCTTTAAGGCAC

701ThrArgPheValArgGlyThrCysLysThrAspGly-	اد ه	중 음
TCCGCAGGGTAGACCTCGACCGTGGTCTCTGGTAACCTTGA		. 1 5
690 yrIleHisAspProGluLysValAlaValCys		문 4
596CGAGACAGCCTGACGTCGGAGTCGGTGTCCACGAAGAGGCGCAGG	ъ	Ś
 656 LeuAlaIleIleArgGlnAlaArgGlnArgArgGluLy8ArgLy8GluTyrCy8MetTyr		ਰ
99 CTT	ر. د	Ś
659 GTGSTGTACTGCGTCAGAATCTGCTCCAGGTCCCTGGGGGAAGTCCGGAAAACT 		8 8
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688AGAACTCCTCGAAGGCCGGCTTCACGAAG		S
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870AGGTGGTCCCCTGGCTCAGAAAAGGTCCGCTTGTAGCTCCGCCCA		Ş
516 euProThrLysGluAlaSerSerLeuHisAlaValArgThrAlaProThrSerLysValI		뮍
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1043 CTAACACTCCCCTGGGGTGCGCCGAGAGGAAGCAGT		á
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		RESULT 16	RES
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922	SerAsnArgLeuCysLysLeuProSerPheIleSerLeuGlnSer	903	Db
54		77	Ş.
902	ProAlaSerLeuAspHisGluAlaProSerLeuGlnGluAlaAlaLeuAlaAlaAlaAlaCys	883	Дb
78	CCCGCCGAAGCCATCTCGGCCTCCGCTCCCC	107	Ş
882	rSerLysAlaSerSerSerSerSerSerSerSerSerSerPro	869	Дb
108	AGGAAGGGCCGCTGGTGCGGACGGTCGGCCTCCGGCGGGGGCTCTCGCAGTCTTCGCCT	167	δ
869	oProHisCysProGlyGlySerAlaSerProSerSe	857	Db
168	TCCATGATCTTCTCACACACGGTCGACTTCCCGCTGGCAGTGCCGCCGCTCACCCCTATC	227	Ş
.857	nArgProThrArgGlnThrProSerSerAlaAlaLeuThrAlaAlaAlaValAlaAlaPl	. 837	뮍
228	CTTCCGCTGCCGCTGTTCCACCTCGTTCTGTCCAGCAAC	. 268	δ
837	${\tt pAlaThrAlaArgSerArgValSerAlaSerHisGlyProArgLysProSerAlaSerGl}$	817	Дb
269		269	Ş
817	gThrGlnLysArgHisSerArgArgAlaAlaThrSerProAlaProGlyProSerAs	798	Дb
269	AGAACCTGTCCTGGCTCAGGATGACCA	295	Ş
798	roAspPheAlaArgArgGlyAlaCysProArgGlyAlaGlnCysGlnLeuLeuHisAr 798	779	밁
296		309	Ş
779	TyrCysProLeuGlyAlaLysCysLysLysLysHisThrLeuLeuCysP	763	망
310	TTGTACTGTCCTTTCAAGGCCTTGGCCTTCTGCTCTGC	347	Ş
762	lSerArgLysAlaGluValCysSerAspPheLeuLysGly 762	749	밁
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729	ThrCysProPheSerHisHisValSerLysGluLysMetProValCy	714	: 분

US-09-488-725A-6091
US-09-488-725A-6091
Sequence 6091, Application US/09488725A
GENERAL INFORMATION:
APPLICANT: Hyseq Inc
ITLE OF INVENTION: NOVel Nucleic Acid and Polypeptides
FILLE REFERENCE: 784FLPCT
CURRENT APPLICATION NUMBER: US/09/488,725A
CURRENT FILING DATE: 2000-12-22
FRIOR APPLICATION NUMBER: US/09/488,725
PRIOR APPLICATION NUMBER: US/09/552,317
PRIOR APPLICATION NUMBER: US/09/552,317
PRIOR APPLICATION NUMBER: US/09/58,042
PRIOR APPLICATION NUMBER: US/09/58,042
PRIOR APPLICATION NUMBER: US/09/58,450
PRIOR APPLICATION NUMBER: US/09/653,450
PRIOR APPLICATION NUMBER: US/09/662,191
PRIOR PILING DATE: 2000-08-31
PRIOR PILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: US/09/662,191
PRIOR PILING DATE: 2000-09-14
PRIOR PILING DATE: 2000-09-14
PRIOR PILING DATE: 2000-09-16

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Percent Similarity:
Best Local Similarity:
Query Match:
DB:
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US-09-488-725A-6091
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PRIOR APPLICATION NUMBER: US09/727,344
PRIOR FILING DATE: 2000-11-29
RUMBER OF SEQ ID NOS: 7144
SOFTWARE: pt FL genes_b Versions 1.0
SEQ ID NO 6091
LENGTH: 955
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|GlyProSerAsp-ProProAlaAspHisAlaValArgProLeuHisGlyAlaArgĠly--
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   aSerAlaSerGiyAlaGlnArgGlySerLeuGluGluPheGluAspThrProTrpSerAs 162
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATCCCTCAGTGGCTCC--
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                                                                                                                                                                                                TTTGTAGGCCACAACCAGCCTTGTGTTATGAAACAGAAAACAGAAAACATGAGGACAT-- 1406
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                                     ACTTTTGAGTTATGTGTGAGTGTGTAAGAACCAGATCAGACTGG-------
                                                              gGlnAlaArgGluAlaSerLeuValValThrCysArgThrAsnLysPheArg------
                                                                                                                    rAspGlnProValProSerGlySerValGlyGlyProAlaArgProAlaSerGlyProAr
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                                                                                                                                 uSerArgSerLeuValLeuAsnArgLeuArgProValAlaSerGlyGlyGlyLysAlaGl
                                                                                                                                                                                                            rgIleValLysLysThrProAlaSerProLeuSerAlaProProPhe---ProLeuSerL
                                                                                                                                                                                                                                                                                                 lThrThrHisArgLeuCysArgLeuProProSerArgAlaHisLeuProThrLysGluAl
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                                                                                                          ACCATATTGTCCACTCCTCGTGGGATGATCACATCGGCATACTTCTTTGTCGGCAGGC--
                                                                                                                                                                                         euPro-----ArgAlaArgArgLeuSerLe
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                          LLeuTyrLysValSerAlaAsnLysLeuSerLysThrSerGlyGlnProSerAspAlaGl 633
                                                                           nProGlySerPro-----Trp-TrpArgSerLy8GlyTyrArgCy8IleGly-GlyVa 613
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            -----GlySer----ThrSerLeuProGlyAspLysLysS
 -AGAACTCCTCGAAGGCCGGCTTCACGAAGGTGGTGTACTGCGTC 645
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US-09-488-725A-2174
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US-09-488-725A-2174
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SOFTWARE: Pt FL genes b Versions 1.0
SEQ ID NO 2174
LENGTH: 723
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION NUMBER: US09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: US09/598,042
PRIOR FILING DATE: 2000-06-20
PRIOR APPLICATION NUMBER: US09/620,312
PRIOR FILING DATE: 2000-07-19
PRIOR FILING DATE: 2000-07-19
PRIOR APPLICATION NUMBER: US09/653,450
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR FILING DATE: 2000-08-31
PRIOR APPLICATION NUMBER: US09/662,191
PRIOR FILING DATE: 2000-09-14
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CURRENT FILING DATE: 2000-12-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides FILE REFERENCE: 784FLPCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Hyseq Inc
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128 uLeuArgGluAlaArgLeuGlyArgAlaArgSerSerGlyGlyMetGlnAlaThrProAl 148
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                                                                                                                                                                                                                                           AlaLeuHisLeuArgAla-----HisProGlyAlaGlnAlaPheGlnCysProHis--
                                                                                                                                                                                                                                                                                                                       GlyGluArgArgPheProCysProValCysGlyLysArgPheArgPheAsnSerIleLeu
                                                                               nProGluArgProArgSerProAlaAlaArgLeuLeuGluLeuGluGluArgAlaLe 128
                                                                                                                                                           ---Cys-GlyHisArgAlaAlaGlnArgAlaLeuLeuArgSerHisLeuArgThrHisGl,108
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; TITLE OF INVENTION: Novel Nucleic Acid and Folypeptiques	614 614	&
; GENERAL INFORMATION: ; APPLICANT: Hyseq Inc	409 ProLeuSerSerAlaLeuProAlaArgAlaArgArgHisArgAlaGluGluProGluGlu 428	DЬ
US-09-488-725A-3209 ; Sequence 3209, Application US/09488725A	614 614	γQ
RESULT 18	391 oAsnGlyGluGlyAlaGluProGlyProGlyArgSerPheGlyPheArg 408	Db
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Qy 238 GTCCCAGCAACTCCATGATC	CATGCCGGGCGGGAGACCTGCCCTGAGGCTCGGCAGCCCCTCAGTGGGGTCTG	8 {
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Qy 340 GTCCTTTCAAGGCCTTGGCCTTCTGCTCTGCCGCAGGACCTTGTAG		Db
 536 ThrGlnSerGlySerLe	1147 AGCCTAAGTGGCTGAAAAACCTCAGGAACGCCTGTCAGTGTCCCCAGCAAGTTGAGTCTGAG 1088	Ş
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Qy 571 TGTCCACGAAGAGGCGCA	AAGTACTTGTTCACAAAACTTTTGAGTTATGTGTGAGTGTGTGAAGAACCAGATCAGAC	\$ {
Db 449 LeuAlaSerLeuHisProArgProGlyGluGlyPro-	1441 GTGTTATGAAACAGAAAACAGAAACATGAGGACATGTAACATGTAAAAAAGGA 1388	를 &
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US-09-488-725A-3209
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LENGTH: 2064
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PRIOR FILING DATE: 2000-10-19
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PRIOR FILLING DATE: 2000-07-19
PRIOR APPLICATION NUMBER: US09/653,450
PRIOR FILLING DATE: 2000-08-31
PRIOR APPLICATION NUMBER: US09/662,191
PRIOR FILLING DATE: 2000-09-14
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PRIOR APPLICATION NUMBER: US09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: US09/598,042
PRIOR FILING DATE: 2000-06-20
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PRIOR APPLICATION NUMBER: US/09/488,725
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                                                                                                                                                                                                                                                            AATTAGGTTTGTAGGCCACAACCAGCCT-----
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                                                                                                                                        TCGGTGCCATTTG-----
                                                                                                                                                                                                                                          ---GlnMet-----LeuPro------GlnGlnGlyProValAsnAsnSerP
                                                                                                                                                                                                                                                                        CTCCAAATGTGACCGTTTGCCAGAGGTCAGCATCCCAGGGTGGTCCCCTG------
                                                                                                                                                                                                                                                                                                                                            GGCAGCCCCTCA------------------GTGGGGTCTGCTGCA 907
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GlnMetMetAlaProHisAsnGln-----MetMetGly--ProGlnGlyGlnValLeuL 707
                                   rLeuSerGlnMetMetPro
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                                                                                                    Pro----HisMetAlaGlnGlnHisGlyAspProAlaThrThrAlaAsnAsnAspValSe
                                                                                                                                                                    roSerGlnValMetGlyIleGln----GlyGlnValLeuArgProPro----GlyProSer
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                                                                  -cagargreaceatreagaatgreetgeatgreetgeaceateaggregat---
                                                                                                                                                                                                        --GCTCAGAAAAGGTCCGCTTGTAGCTCCGCCCATTGGACCCTCC 814

    - AACACATGCCGGGCGGGAGACCTGCCCTGAGGCTC 937

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                                  -AspValSerIleGlnGlnThrAsnMet 828
 GGCAACCATATTGT----
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	erLeuProGluAlaSerGlySerGluAlaProSerValProGlyGlyProAs 1148	uMetAlaS	1128
	253		253
	nSerArgLysMetValTyrGlnGluSerProGlnAsnProSerSerSerProLeuAlaGl 1128		1108
	253		253
	ACCTGTCCTGGCTCAGGATGACCACCTTCCGCTGCCGCTG253		292 .1095
	CAAAATTGTACTGTCCTTCAAGGCCTTGGCCTTCTGCTCTGCCGTCAGGACCTTGTAGA 293		352 1076
	CCTCCACGATGTTCTTCAGAGTCCTGTGCATCAAATCATTATCAAAGGCATCTGGATGGT 353		412 1063
	GTAACCTTGAGTGTGTCACAAAATCATAGGTCGGCACCTCCACGGTTTTGC 413		463 1046
	GlnGlnGlnGlnGlnMetMetMetMetLeuMetMetGlnGlnAspProLysSer 1045		
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	CAGGGTAGACCA	CAGGGTAGACCA 	1008
		nHisValAlapro	992
	ACATGTCCCGGATCTCCTGGCTGTAGAACACCAAGATGCCCTCAAACAGAACCAGGTCCG 488	ACATGTCCCGGATCTCCTGGCTGTAG	547
	gProLeuGlnGlnMetProProGlnLeuMetGl	SerGlnProValGluGlnA	975
		CGAAGAGGCGCAG	57 65 57
	TCCCTCGGCGCACGTCCCGGAGAACTCTTCGAGACAGCCTGACGTCGGAGTCGGTGTCCA 566	TCCCTCGGCGCACGTCCCCGGAGAACT	625 962
		 lnProProLeuProGlyGluG	945
	rolinginaspieuasninieroaspiniaigeroaladayheudiudiualaaspo 949	snserGInGInAspuedAsnInIPIO	671
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	:	<pre>:: :::::: ysGlnAsnAsnThrAsnAlaAsnLys</pre>	905
	672	GGCAGAACTCCTCGAAGGCC	691
	AsnLeuLeuGlnSerAspIleSerAlaGlyHisPheGlyValAsnAsnL 905	AsnLeuLeuGlnSerAspIleSerAl	688
	ILYSASPVALINITEUTNISETPIONEULEUVAL 888	G1yG1nAsnProG1yPneProva1As	
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	HisGlyMetSerPheAsnAlaProPheSerGlyAlaProAsnGlyAsnGlnMetSerCys 868	HisGlyMetSerPheAsnAlaProPh	849
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	ValProProHisValGlnAlaMetGlnGlyAsnSerAlaSerGlyAsnHisPheSerGly 848	ValProProHisValGlnAlaMetGl	829

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1561 -CCTTTAAGGCACAAGCAAGGGGG	TrpSerThrValProProProProLeuProPro-AlaSerIleGlyArgAlaValProG1	1577	1622 GGCCCCGCACAAGCCTGGGTGTGATGCTGGGTGCTTCCAGGGCAT 157	9-896-522-1 (1-1624) x US-09-488-725A-5990 (1-1565)	ment Scores: 18.4 Length: 1565 p: 456.40 Matches: 197 ent Similarity: 24.95\$ Conservative: 58 Local Similarity: 19.28\$ Mismatches: 123 / Match: 15.25\$ Indels: 645 / Match: 1 Gaps: 16	TH: : PF NISN 8-72	SOFTWARE; bt FL genes_b Versions 1.0	LICATION N	APPLICATION 1	APPLICATION I	PRIOR APPLICATION UMBER: US09/653,450 PRIOR FILING DATE: 2000-08-31	APPLICATION N	APPLICATION N	APPLICATION N	PPLICATION NUMB	T APPLICAT	TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides FILE REFERENCE: 784FLPCT	19 488-725# ence 599 RAL INFO	1223 GlnThrProAsnAsnArgProProSerThrGluPro 1234	46 CGGGCCCGGCGCCCAGCGCCGAGGTCGGAGGCGACCC 4		106 CCGCCGAAGCCATCTCGGCCTCCGCTCCCGCGCATCGGGTCCCCGCGCCCCCCTTCCC 47		142 CGGCCTCCGGCGCGCGCGCTCTCGCAGT	1166 oLygProGlyPro-SerProLeuSerAlaThrGlnGlyAlaThrProGln 1182	202 ACTTCCCGCTGGCAGTGCCGCCCCCTCACCCCTATCAGGAAGGGCCGCTGGTGCGGACGGT 143	TING HARITMENET COGETUTE A CATACATHER LE COGETUTE COMPANIENT COMPA

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AAGGTCCGCTTGTAGCTCCGCCCATTGGACCCTCCTCGGTGCCATTTGCAGATGTCACCA AAGGTCCGCTTGTAGCTCCGCCCATTGGACCCTCCTCGGTGCCATTTGCAGATGTCACCA TTCAGAATGTCCTGGATGTGCTGCACGATCAGGTTGATGGCAACCATATTGTCCACTCCT ::::	146 Proclamatical Alabro	CTCCCCATATCCGTGTAGGCCACGCTGGACTGCAAACCACTGGGTCATGAAATTAGGTTT
RESULT 20 US-09-488-725A-2418 US-09-488-725A-2418 ; Sequence 2418, Application US/09488725A ; General information: APPLICANT: Hyeeg Inc ; TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides ; FILE REFERENCE: 784FLPCT ; CURRENT APPLICATION NUMBER: US/09/488,725A ; CURRENT FILING DATE: 2000-12-22 ; PRIOR APPLICATION NUMBER: US/99/488,725 ; PRIOR APPLICATION NUMBER: US/99/488,725 ; PRIOR APPLICATION NUMBER: US/99/52,317 ; PRIOR APPLICATION NUMBER: US/99/52,317 ; PRIOR APPLICATION NUMBER: US/99/598,042 ; PRIOR APPLICATION NUMBER: US/99/598,042 ; PRIOR APPLICATION NUMBER: US/99/620,312 ; PRIOR APPLICATION NUMBER: US/99/620,312 ; PRIOR APPLICATION NUMBER: US/99/620,312 ; PRIOR APPLICATION NUMBER: US/99/620,312		::: :::::

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PRIOR FILING DATE: 2000-09/662,191
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: US09/693,036
PRIOR APPLICATION NUMBER: US09/727,344
PRIOR PILING DATE: 2000-11-29
PRIOR FILING DATE: 2000-11-29
NUMBER OF SEQ ID NOS: 7144
SOCTWARE: pt FL_genee_b Versions 1.0
SEQ ID NO 2418
LENGTH: 1503
TYPE: PRT
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                                                        -ProArgArgGlyAlaValSerSerAlaLeuGl
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93 CTCGGCCTCCGCTCCCGCGATCGGGTCCCCG62 :	129 GGGGCTCTCGCAGTCTTCGCCTCCC	135 CG	195 GCTGGCAGTGCCGCCCCCTATCAGGAAGGGCCGCTGGTGCGGACGGTCGGCCTC 136	236CCCAGCAACTCCATGATCTTCTCACACACGGTCGACTTCCC 196	268 CCTTCCGCTGCCGCTGTTCCACCTCGTTCTGT 237	295AGAACCTGTCCTGGCTCAGGATGACCA	1 _y	725 lyMetProProSerLeuProProProProLeuGlnProProSerLeuProLeuSerMetG 745	320 320	$\tt 05 roAlaValProThrProProSerMetSerAlaAlaLeuProPheProAlaGlyGlyLeuG$	686ProSerGinGluMetProLeuLeuAlaArgProSerProProValGlnSerValSerP 705	360 TGGATGGTCAAAATTGTACTGTCCTTTCAAGGCCTTGGCCT 320	420 CGTTTTGCCCTCCACGATGTTCTTCAGAGTCCTGTGCATCAAATCATTATCAAAGGCATC 361	433TGGCACCTCCAC 421	632 ysLeuValIleProProAlaProAlaLysLysThrAlaLeuGlnArgSerProGluThrP 652	434 434	612 roProThrGlyLysTrpProSerLeuProGluThrProThrGlyLeuAlaAspIleProC 632	34 434	47 CACAAAATCATAGG	499GAACCACGTCCGCAGGGTAGACCACCGTGGTCTCTGGTAACCTTGAGTGTGT 448	513 500 513 500 ::: 560 leIleProGluValLysGluValValAspSerLeuLysIleGluSerGlyThrSerAlaT 580	::: ::: 41 yGlySer-AlaProGlnLeuLeuValGluSerGluSerLeuAspProProLysThrI
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	9-896-522-1 (1-1624) x US-09-488-725A-2188 (1-4618)	us-0
	Alignment Scores: Pred. No.: 451.30 Matches: 208 Score: Percent Similarity: 21.488 Best Local Similarity: 17.328 Query Match: 14.878 Caps: Caps:	Alignmer Pred. No Score: Percent Best Loc Query Ma
	LENGTH: 4619 TYPE: PRT TYBS: PRT ORGANISM: Homo sapiens 09-488-725A-2188	; ; US-0
	TWARE:	; SEQ ;
	APPLICATION N FILING DATE:	יייי
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	PRIOR FILING DATE: 2000-00-31 PRIOR APPLICATION UMBER: US09/662,191 PRIOR FILING DATE: 2000-R9-14	
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	NT FILING DATE: 2000-12-22 APPLICATION NUMBER: US/09/488	·· ··
	ERENCE: 784FLPCT APPLICATION NUMBER: US/09/488,725A	
	CANT: Hyseq	
	SULT 21 -09-488-725A-2188 Sequence 2188, Application US/09488725A	RESULT US-09-
	955 laThrLysAlaValProThrProArgGinSerThrValPro 968	艮
	42 CCCGGCGCGCCCAGCGCCGAGGTCGGAGGCGACCCCA 2	\$
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916	896 ysProValProAlaSerProHisProLysHisLysValSerAlaLeuValGlnSerProG	Db
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1325 uGluLysProGlyLysSerSerGlyProProArgLeuGlyGluLeuThrValTh 1343	CTCCGGGACGTGCGCCGAGGGAGGGACC
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nAr HAC	CTGAAGAACATCGTGGAGGCAAAACGGTGGAGGTGCCGACCTATGATTTTGTGACACAC 453 :::
oSerGlyProSerThrThrGlnGlyAlaGlnAlaProLeuLeuGlnGl	385
lySerSerProLeuGlyLeuLeuGlyThrThrAspGluProProPr	384 LyValGluTyrValValThrValThrAla 909
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	223 ATGGAGTTGCTGGGACAGAACGAGGTGGAACAGCGGCA
	163 TTCCTGATAGGGGTGAGCGGCACTGCCAGCGGGAAGTCGACCGTGTGTGAGAAGATC 222
1040 gAlaAsnGlnThrTyrThrSerValAlaArgHisIleHisGluTyrLeuGlnArgArgLe 1060	103 GCGGAAGACTGCGAGAGCCCCGCGCGCGAGGCCGACCGTCCGCACCAGCGGCCC 162 740AlaGlyGluAspCysGlyGluGluValProThrIle 751 Qy

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1362 AppSerDheVallleGinTyrLyaAsparghagd;yclnbrodlivalValbroValGiu 1381 Qy 1300 AACCCACGAGAGAGATTTTTCCAGTCTT	763 GTGCAGCACATCCAGGACATTCTGAATGGTGACATCTGCAAATGG ::
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1362 AppSerPhevallleGinTyrLysAspArgAspGlyGinProGinValValProValGiu 1381 1390 AACCCAACTGCGGGGGGGGAGAGGTTTTTTCCAGTTCTTA 1344 1391 1392 GlyProGinArgSerAlaVallleThrSeriewAspProGlyArgLysTyrLysPheVal 1401 1395 GACCTCACACACTACTCCAAACTTTTTCCATTTTTACAT 1400 1401	715 ludlyTrpalaSerGlualaGlyLysProLeuLeuHis 673 GCCTTCGAGGA
1362 AspSerPheVallieClnTyrLysAspArgAspGlyGlnProdinvalvalProvalclu 1381 1390 AACCCACGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	625 A
1362 AspSerPheVallieGlnTyrLysAspAryAspGlyGlnProdinvalValProvalGlu 1381 1382 AspSerPheVallieGlnTyrLysAspAryAspGlyAspTyrLysAsyAsyAsyAsyAsyAsyAsyAsyAsyAsyAsyAsyAs	565 GTGGACACCGACTCCGACGTCAGGCTGTCTCGAAGAGTTCTCCGGGACGTGCGCCGAGGG
1362 AspSerPheVall1eGInTyrLysAspArgAspGlydInProValGiu 1381 1300 AACCCCACGGTGGGAGAGGTTTTTTCCAGTCTG	543
1362 ABPSETPHEVALITEGINTYLLYSABPATSAGULGINPROGINVALVALDEN LISBI 1300 AACCCACAGTTGGAAGAGTTTTTTCCGGTTG	674
1362 AspSerPheValIleGInTyrLysAspArgAspGlyGInProGlnValValProValGlu 1381 1390 AACCCACAGTGGGAGAGAGATTTTTTCCAGTCTGT	663
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1362 AspSerPheVallleGlnTyrLysAspArgAspGlyGlnProGlnValValProValGlu 1381 29 1300 AACCCACAGTGGGAGAGTTTTTTCCAGTCTG	65
1362 AspSerPheVallleGlnTyrLysAspArgAspGlyGlnProOlnValValProValGlu 1381 1300 AACCCACAGGGGAGAGAGTTTTTTCCAGGTCTG	. 64
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1362 AbpSerPheValIleGlnTyrLysAspArgAspGlyGlnProGlnValValProValGlu 1381 1300 AACCCACAGTGGGAGAGAGTTTTTCCAGTCTGATCTGGTTCTTA 1344	28
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; ORGANISM: Homo sap	1366 1366	Ş
; SOFTWARE: pt_FL_gen ; SEQ ID NO 2440	1088 o∏rnGlvÞroGluGlnAlaSerSerÞroAlaArσGlvIleSerHisHisValThrÞheAl 1108	子 :
; NUMBER OF SEQ ID NO	1366 1366	Ş
; PRIOR FILING DATE: ; PRIOR APPLICATION N		d
; PRIOR APPLICATION N	1360 AACTCAA 1366	§
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	1300 AACCCACAGTGGGAGAGTTTTTTCCAGTCTGATCTGGTTCTTACACACTCACACACA	Ş
	1036 ProSerGlnMetProTrpLeuValAlaSerProGluProProGlnSerS 1052	용
	1279CTGATGTTTTGTTGACAGTG 1299	Ş
	1017TrpGlnGlyProArgGlyProProAspSerProAspGlySerProLeuThrProVal 1035	p.
	1273 GGCTGG 1278	Ş
CURRENT APPLICATION	1000 erProArgSerProValProThrThrLeuProGlyLeuArgHisAlaPro 1016	문
FILE REFERENCE: 784	1236ACATTATTGGGGAAATTGAGGAGACAGCCTAGACACT 1272	Ş
NFORM	985 -AspTrpProGlnGluArgSerPro-GlyGlyHisSerAspGlyAlaS 1000	뮹
488. ence	1180 AGAAATGCCACAGAATGTGCAGGAAGCCTGGGAGGCTTCTGTGAGGAATGTGAGGC 1235	Ş
SULT 23	966 ProGluProLeuAlaProSerProValSerProThrPheProProSerSerProSer 984	망
Db 1292 Pro 1292	1147	Ą
0у 1621 ССА 1623		Ď,
Db 1272 GlnGlyAla	ACTCAGACTCAACTTGCTGGGACACTGACAGGCGTTCCTGAGGTTTTCAGCCACTTAGGC	Ş
Qy 1600		Db
Db 1252 GluGluTh	ccccagggagtgttagcagcgaggccttcctcactcaggagtggaaactcagatgtgtc	δ.
Qу 1599		B
Db 1232 HisSerIle		Ş
Qy 1597 CAT		뮹
Db 1212 ysIleLys		Ş
Qy 1567 AAGCGAGGG	ProSerGlyH18SerThrLeuProArgSerProArgAspAlaProCy8SerAlaSerSer	B
Db 1197 ln	CTTCAGGGCAGGTCTCCCGCCCGGCATGTGTGTTCAGGGACTGAG	. ধ
Qy 1531 ATGTTTTCC	AlaGluSerLeuGluProValSerTrpArgGluGly	당
Db 1185Pro		Ş
Qy 1471 TCATGACCC	GlyAspArgTyrProLeuProGlyHisLeuAlaSer	뭉
Db 1166 spSerHiss		S
Qy 1438 ACACAAGG	GlyserProPyrProGlinSerArgLysbuscon, 1000000000000000000000000000000000000	ď
Db 1146 erArgAspG		Ş
Оу 1420 ТС	ArgGlyTyrProSerProGlyAlaH18SerProAfgAlaGlySer11eSerPro	ğ
Db 1128 rAsnValLy	TACAAGCGGACCTTTTCTGAGCCAGGGGACCAC	ş
Qу 1367 Ал	isSerCysGlySerProGlyGluGly	Ъ
Db 1108 aProLeuLe		

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1621 (CA 1623	γQ
1272 GlnGlyAlaAlaCysSerValLeuTyrLeuThrSerValGluThrGluSerLeuThrGly 1291	DЪ
1600CACACCCAGGCTTGTGCGGGG 1620	γ
1252 GluGluThrProGluProProValProThrAsnMetSerThrAlaAlaAspLeuLeuArg 1271	DЬ
1599 1599	Ş
1232 HisSerIleSerProIleSerLeuProCysCysLeuArgIleProSerLysAspProLeu 1251	рь
1597 CAT 1599	Ś
1212 ysīleLys-GlyCysProSerGluProTyrPheGlySerLeuSerAlaLeuValSerGin 1231	DЬ
1567 AAGCGAGGCGGATGCCCTGGAAGCACCCAG 1596	Ş
1197 ln	₽
1531 ATGTTTTCCCCCCTTGCTTGTG	Qγ
1185ProSerAlaGlnProTrpLysGlyAspProValGluG 1197	Дb
1471 TCATGACCCAGTGGTTTGCAGTCCAGCGTGGCCTACACGGATATGGGGAGCCACTGAGGG 1530	9
1166 spSerHisSerPheGlnGlyAlaTyrGlyLeuAlaLeuLysValAlaThrProPro 1184	Вb
1438 ACACAAGG1470	Qy
1146 erArgAspGlnAlaIleAlaLeuLeuLysAspLysAspProGlyAlaPheLeuIleArgA 1166	문
1420 TC	Qy
1128 rAsnValLysPheValGlnAspThrSerLysPheTrpTyrLys-ProHisLeuS 1146	Вb
1367AAGTTTTGTGAACAAGTACTTTCCTTTTTTACATGTTACATGTCCTCATGTTT 1419	Ş
1108 aProLeuLeuSerAspAsnValProGlnThrProGluProProThrGlnGluSerGlnSe 1128	дb

WESULT 23
US-09-488-725A-2440
US-09-488-725A APPLICANT: APPLICANT: Hyseq Inc
TITLE OF INVENTION: NOVel Nucleic Acid and Polypeptides
FILE REFERENCE: 784FLPCT
CURRENT APPLICATION NUMBER: US/09/488,725A
CURRENT APPLICATION NUMBER: US/09/488,725A
CURRENT FILING DATE: 2000-01-2-2
PRIOR APPLICATION NUMBER: US/09/488,725
PRIOR FILING DATE: 2000-01-21
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: US/09/55,317
PRIOR APPLICATION NUMBER: US/09/59,042
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: US/09/59,042
PRIOR FILING DATE: 2000-07-19
PRIOR FILING DATE: 2000-08-31
PRIOR APPLICATION NUMBER: US/09/653,450
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Best Local Similarity:
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                           255 lnThrArgGluValMetCysIleAsnLysThrGlyLysAlaAlaAspLeuSerPheCysG 275
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| 32 GlnAlaGluArgProAsnAsnGlnGlnAsnCysPheLysValCysAspTrpHisLysGlu
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              ----CysIleValSerGluPheSerAlaTrpSerGluCysSerLysThrCysGlySerGl 144
                                                                                     rgAsnArgAsnArgGinAsnArgGinGluAsnLysTyrTrpAspIleGlnIleGlyTyrG 255
                                                                                                                                                                                                             gGlnAlaArgArg------ArgGlyLys---AsnLysGluArgGluLysAspArg
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275 ln-GlnGluLysLeuProMetThrPheGlnSerCysValIleThrLysGluCysGlnVal
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                                        laArgSerIleLeuAlaTyrAlaGlyGluGluGlyGlyIleArgCysProAsnSerSerA 613
                                                                                                                                      AACCTGATCGTGCAGCACAT-----
                                                                                                                                                                                             ATCATCCC----------ACGAGGAGTGGACAATATGGTTGCCATC
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                                                                                                                                                                 spAlaProCysProLysAspCysValLeuSerThr----TrpSerThrTrp-----Se
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949 ysAsnSerHisGlyTyrIleGluGluAlaCysIleIleProCysProSerAspCysLysL 969	929 yrArgTyrGlnAlaMetAlaCysTyrAspGlnAsnGlyArgLeuValGluThrSerArgC 949	1079 1079	1048 GAGGCCTTCCTCACCAGGAGTGGAAACTCAG	AsnAlaGlnProvalGlyAsnTrpSerAspCysIleLeuProGluGlyLysVal	1015	994	CysGlyAlaValArgThrArgLysArgThrLeuValGlyLysSerLysLysLysLysLys	e sool to control beautiful and a second a second and a second and a second and a second and a second and a second and a second and a second and a second and a second a second a second and a second and a second a second and a second and a second and a second and a second and a second a second a second a	988	IleHisGluCysLeuGlnTyrAlaGlyProValProAlaLeuThrGlnAlaCysGlnIle	964CATGTGTGTTCAGGGACTGAGCCT987	GlyProGlyArgGlnAlaArgAlaIleThrCysArgLysGlnAspGlyGlyGlnAlaGly	TCTCCCGCCCGC	892 CGGTCACATTTGGAGTCCAGCAGCAGCACCCACTGAGGGCGCGCGACCCTCAGGGCAGG 951	766ArpLysThrHisLysTrpArgArgCysGlnL 776	841 CGGACCTTTTCTGAGCCAGGGGACCACCCTTGGGATGCTGACCTCTGGCAAA 891	::: 746 ThrAspProLeuTyrGluGluLysAlaCysGluAlaProGlnAlaCysGlnSerTyrArg 765		800	-ThrSerCysProSerSerCysLysGluGlyAspSerSerIleArgLysGlnSerArgHi	793 GACATCT 799	693 rgProCysLeuLeuProCysLysLysAspCysIleValThrProTyrSerAspTrp- 711		alAsnValGlyGlnValGlyProLysLysCysProGluSerLeuArgProGluThrValA	55 IPABNOTYGINALOSEICYSSEIVALOTYNEGGINIALALYTYSVAALLEGYSVAAALYV 075		lyProTrpGlyGlnCysIleGluAspTnrSerValSerSerPneAsnInrInrInrInrInrI		laLeuGlnGluValArgSerCy8ABnGluH18PrOCy8Tnrval1yTH18TrpGlH1H1rG
Db 1290 lyGluGlyThrArgThrArgAsnIleSerCysValValSerAspGlySerAlaAspAspP 1310	1289 -	Qy 1882 GANGETTT:	1251	1279			Qy 1278 1278	Qy 1237 CATTATTGGGGAAATTGAGGAGACAGCCTAGACACTGGCTGG	uLysTyrCysGluAla	1222GAGGAATGTGAGGCA	ThrAspTrpSerThrCysGlnLeuSerGluLysAlaValCysGlyAsnGlyIleLysThr	1141	1201 GGAAGCCTGGGAGGCTTCTGT		Qy 1141 TTAGGCTCGTTGCGGTTTAAAAGATCCCTCTAGGTCACTGAGAAATGCCACAGAATGTGCA 1200	::: 1107 lnCysValLeuProCysAsnGlnSerSerPheArgGlnArgSerAlaAspProI	OV 1116	1115	1067 lyProSerGluHisValGluAspTyrLeuCysAspProGluGluMetProLeuGlySerA	Оу 1115 1115	1047 luAsnCysGlyGluGlyValGlnThrArgLysValArgCysMetGlnAsnThrAlaAspG	1115	Qy 1104	1009	1080ATGTGTCACTCAGACTCAACTTGC	Db 989 rgSerLysTrpLeuArgGluLysProTyrAsnGlyGlyArgProCysProLysLeuAspH 1009	Qy 1079 1079	Db 969 euSerGluTrpSerAsnTrpSerArgCysSerLysSerCysGlySerGlyValLysValA 989	Оу 1079 1079

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CURRENT APPLICATION NUMBER: US/09/488,725A
CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: US/09/488,725
PRIOR FILING DATE: 2000-01-21
PRIOR FILING DATE: 2000-01-21
PRIOR PILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: US09/528,042
PRIOR APPLICATION NUMBER: US09/528,042
PRIOR FILING DATE: 2000-06-20
PRIOR FILING DATE: 2000-06-20
PRIOR PILING DATE: 2000-07-19
PRIOR APPLICATION NUMBER: US09/653,450
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US-09-488-725A-5469
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GENERAL INFORMATION:
APPLICANT: Hyseq Inc
TITLE OF INVENTION: Novel Nucleic Acid and
FILE REFERENCE: 784FLPCT
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PRIOR
OR FILING DATE: 2000-08-31
OR APPLICATION NUMBER: US09/662,191
OR FILING DATE: 2000-09-14
OR APPLICATION NUMBER: US09/693,036
OR FILING DATE: 2000-10-19
OR APPLICATION NUMBER: US09/727,344
OR FILING DATE: 2000-11-29
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SOFTWARE: pt_FL_genes_b Versions 1.0

SEQ ID NO 5469

; ESEQ ID NO 5469

; ENGTH: 839

TYPE: PRT

ORGANISM: Homo sapiens

US-09-488-725A-5469
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185 pPheArgIleTyrAsnValThrTyrLeuGluProSerLeuArgIleAlaAlaSerThrLe
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                                                                                                                                                                                                                                                                                                     ATTTCTCAGTGACCTAGAGGGATCTTTAAACCGCAACGAGCCTAAGTGGCTGAAAACCTC 1126
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ysGluTrpLysMetAsnGlyProThr----AsnCysSerThrGluLeuArgLeuLeuT
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                                                                   nTyrLeuTyrAsnHisLeuThrTyrAlaValAsnIleTrpSerGluAsnAspProAlaAs
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; ORGANISM: Homo sapiens
US-09-488-725A-6059
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SEQ ID NO 6059
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SOFTWARE: pt_FL_genes_b Versions
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CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: US/09/488,725
PRIOR FILING DATE: 2000-01-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Hyseq Inc
TITLE OF INVENTION: Novel Nucleic Acid and
FILE REFERENCE: 784FLPCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR
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OR FILING DATE: 2000-04-25
OR APPLICATION NUMBER: US09/598,042
OR APPLICATION NUMBER: US09/598,042
OR APPLICATION NUMBER: US09/620,312
OR APPLICATION NUMBER: US09/620,312
OR FILING DATE: 2000-07-19
OR APPLICATION NUMBER: US09/653,450
OR FILING DATE: 2000-08-31
OR APPLICATION NUMBER: US09/662,191
OR APPLICATION NUMBER: US09/693,036
OR APPLICATION NUMBER: US09/693,036
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FILING DATE: 2000-11-29
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                                                                isGluCysGluAlaAlaPheSerArgSerAspHisLeuLysIle---HisLeuLysThrH
                                                                                                                                  leLysLeuHisThr----GlyAspLys---LysTyr-----His------CysH
isSerSer----SerLysProPheLys-----CysThr-ValCysLysArgGlyPheSer 160
                                                                                                    ATGAAACAGAA-----AACAGAAAACATGAGGACATGTAACATGTAAAAAAAGG 1389
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                sCysSerValGlySerAla--
                                  ----TCAGTGGGGTCTGCTGGACTCCAAA-----
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                                                                                  nGlnCysSerMetGlyPheLeuThrGluSerSerLeuThrGluHisIleGlnGlnAlaHi
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1059 GluSerAlaGluAspLeuGluSerHisMetGlnValAspHisArgAspLeuThrPro 79 CCGCGCATCGGGTCCCCGCGCCCCGCCCCTTCCCCGGGGCCCGGCCCGAGCGCCCGCC	Qy 175 175 Db 984 OASHGIYGINGIYLEUGINLYSLEUTYRLYSCYSALALEUCYSLEULYSGUPHEARGSE 1004 Qy 174	9 2 9 2 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	858 391 872 349 890	Db 804 rGluAspAspValAspAlaSerGluProMetTyrGlyCysAspIleCysGlyAlaAlaTy 824 Qy 513GATGCCCTCAAACAGAACCACGTCCGCAGGGTAGACCAC

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US-09-488-725A-2638
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PRIOR FILING DATE: 2000-07-19
PRIOR PELLORATION NUMBER: US09/653,450
PRIOR FILING DATE: 2000-08-31
PRIOR FILING DATE: 2000-08-31
PRIOR FILING DATE: 2000-09-14
PRIOR PELLORATION NUMBER: US09/693,036
PRIOR PELLORATION NUMBER: US09/693,036
PRIOR PELLOR DATE: 2000-10-19
PRIOR APPLICATION NUMBER: US09/727,344
PRIOR FILING DATE: 2000-11-29
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SEQ ID NO 2638
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CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: US/09/488,725
PRIOR FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US/09/52,317
PRIOR FILING DATE: 2000-04-25
PRIOR PILING DATE: 2000-06-20
PRIOR PILING DATE: 2000-06-20
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                   lyArgLeuGluValArgPheGlnGlyGluTrp--GlyThrIle-----CysAspAspGl 294
                                                                                                                              pGlyLysHisAsn-----CysAspHisAlaGluAspAla-----Gly---ValI 257
                                                                                                                                                                                                                                              eAspAspLeuIleCysAsnGlyAsnGluSerAlaLeuTrpAsnCysLysHisGlnGlyTr 243
                                                                                                                                                                                                                                                                                                                                                                                              AspHisAlaSerValIle------CysArg--GlnLeuGluCys------Gl
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TGCAGATGTCACCATTCAGAATGTCCTGGATGTGCTGCACGATCAGGTTGATGGCAACCA 743
                                     yAlaTrp--
                                                                                                                                                  TCCCAGGGTGGTC---
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  sSerAlaHisArgGluProArgLeuValGly-----GlyAspIlePro---
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                                                                                                             ----ArgLeuValAsnGlyLysThrProCysGluGlyArgValGluLeuLysThrLeuGl
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                                                                        -CCCTGGCTCAGAAAAGGTCCGCTTGTAGCTCCGCCCATTGGACCCTCCTCGGTGCCATT 803
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                                     ----GlySerLeuCysAsnSer---HisTrpAspIleGluAspAlaHis 618
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; PRIOR APPLICATION NUMBER: US09/693,036 ; PRIOR FILING DATE: 2000-10-19 ; PRIOR APPLICATION NUMBER: US09/727,344 ; PRIOR FILING DATE: 2000-11-29 ; NUMBER OF SEQ ID NOS: 7144 ; SOPTWARE: pt_FL_genes_b Versions 1.0		272 -ACCACCTTCCGCTGCCGCTGCTCCACCTCGTTCC 272 -ACCACCTTCCGCTGCCGCTGCTCCACCTCGTTCC 273	

CT	Qy 1302	246 pGlyLy8H 1401 CATGTAAA 260 leCy8Ser 1345	Qy 1476 TCATGAAATTAGGTTTGTAGGC	157 1534 174 174 1533	US-09-896-522-1 (1-1624) x US-09-488-725A-6210 (1-1124) QY	; SEQ ID NO 6210 ; LENGTH: 1124 ; TYPE: PRT ; ORGANISM: Homo sapiens US-09-488-725A-6210 Alignment Scores: 11.4 Pred. No.: 11.4 Score: 446.40 Percent Similarity: 18.44\$ Best Local Similarity: 18.44\$ Query Match: 14.91\$ Gaps: 26
Qy 641		Db 568 lyThrCysSerHisSerArgAspValGlyValValCysSerArgTyrThrGluIle 586 Qy 874 TCCCAGGGTGGTC	528 alserIleLeuGlyGlyAlaHisPheGlyGluGlyAsnGlyGlnIleTrpAlaGluGluP 900	Db 475 sSerAlaHisArgGluProArgLeuValGl	Qy 1015 GAAGCAGTGGGTGGG	383 erArgCysAlaGlyThrValGluValGluIleGlnArgLeuLeuGlyLysVal

37 .	1017 lyHisSerGluCysGlyHisLysGluAspAlaAlaValAsnCysThrAspIleSerValG 103
ω	153 153
17	211 ACACGGTCGACTTCCCGCTGGCAGTGCCGCCGCTCACCCCTATCAGGAAGGGCCGCTGG- 153
0.4	990 lyThrGlyProIleTrpLeuAsnGluValLysCysLysGlyAsn 1004
	ysGlnGlnLeuGlyCysGlyProAlaLeuLysAlaPheLysGluAlaGluPheGlyGlnG
•	240 240
0 0	272ACCACCTTCCGCTGCCGCTGTTCCACCTCGTTC
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	ArgLeuAlaSerProSerGluGluThrTrpIleThrCysAspAsnLysIleArgLeuGln
v v	316 GCTCTGCCGTCA 305
7	ATCTGGATGGTCAAAATTGTACTGTCCTTTCAAGGCCTTCT
. 4	364 364 880 oAlaSerLeuAspLysAlaMetSerIleProMetTrpValAspAsnValGlnCysProLy 900
· °	 GlyValValCysArgGlnLeuGlyCysAlaAspLysGlyLysIleAsnPr
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ω	828 ArgLeuThrSerGluAlaSerArgGluAla
4.	AGGTCGGCACCTCCACCGTTTTGCCCCTCCACGA
7	437 437 808 GlnGlnAsnCysArgHisLysGluAspAlaGlyValIleCysSerGluPheMetSerLeu 827
- 7	sAsnGlyLysGluSerArgIleTrpGlnCysHisSerHisGlyTrpGly
7	468
<u> </u>	774 erAlaHisbheGlyGluGlyThrGlyProIleTrpLeuAspGluMetLysCy 791
	490 CCGCAGGGTAGACCACCGTGGT 469
, <u>1</u>	513GATGCCCTCAAACAGAACCAGT 491 513GATGCCCTCAAACAGAACCAGT 491 754 rAspAlaHisValValCysArgGlnLeuGlyCysGlyGluAlaIle-AsnAlaThrGlyS 774
- 4 4	::: ::: 35 -ValGluIleTyrHisGluGlySerTrpGlyThrIleCysAspAspSerTrpAspLeuSe
4	532 CCTGGCTGTAGAACACCAA 514
. ω	574 CGGTGTCCACGAAGAGGCGCAGGTGGAACATGTCCCGGATCT 533
	701 LeuGlyProThr-ArgProThrIleProGluGluSerAlaValAla 715

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1534	1581 GCATCCGCCTCGCCTTCTGCCTTTAAGGCACAAGCAAGGGGGGGAAAA	Qy
157	sHisSerAsnCysThrHisGlnGlnAspAlaGlyValThrCysSerAspG	Дb
	CCGCACAAGCCTGGGTGTGATGCTGGGTGCTTCCAGG	Ş
	-522-1 (1-1624) x US-09-488-725A-6211 (1-1124)	us-09-896
	tt Scores: 11.4 Length: 1124 446.40 Matches: 195 Similarity: 18.44\$ Conservative: 63 al Similarity: 13.94\$ Mismatches: 146 14.91\$ Indels: 996 ttch: 14.91\$ Gaps: 26	Alignment Sc Pred. No.: Score: Percent Simi Best Local S Query Match: DB:
	NO 6211 NO 6211 HH: 1124 : PRT VISM: Homo sapiens	; SUPIMARE: ; SEQ ID NO 6 ; LENGTH: 1 ; TYPE: PRT ; ORGANISM: ; ORGANISM: US-09-488-725
	LICATION NUMBER: US09/727, LICATION NUMBER: US09/727, ING DATE: 2000-11-29 SEQ ID NOS: 7144	; PRIOR APP; ; PRIOR FIL ; NUMBER OF
	Z Z	; PRIOR ; PRIOR ; PRIOR
	US09/653,	PRIOR
	NUMBER: US: 2000-06-2 NUMBER: US	
	FILING DATE: 2000-01-21 APPLICATION NUMBER: US09/552,317 FILING DATE: 2000-04-25	; PRIOR ; PRIOR ; PRIOR
	APPLICATION N	222
	90329	APPLI TITLE
	-725A-6211 -725A-6211 - RAPDIcation US/09488725A - TUPOCHANTON -	RESULT 28 US-09-488-
	1120 sSerGluProHis 1124	Db
	13 GAGGCGACCCCAC 1	Q
1120	 1116 rSerGlyGlyHi 1	
14		Q
1116	1096 nIleGlnTyrArgGluMetAsnSerCysLeuAsnAlaAspAspLeuAspLeuMetAsnSe 1	망
74	75GC 7	Q
1096		В
76	GCCGAAGCCATCTCGGCCTCCGCTCCCGC	Qy
1076	1056 aValGlyIleLeuGlyValValLeuLeuAlaIlePheValAlaLeuPhePheLeuThrLy 1	망
106		Ş
1056	1037 lnLysThrProGlnLysAlaThrThrGlyArgSerSerArgGlnSerSerPheIleAl 1	Ъ
124	CCGGCGCGGGGCT	Q

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455 sLysAsnTrpGlnTrpGlyGlyLeuThrCysAspHisTyrGluGluAlaLysIleThrCy 475 999	1015 GAAGCAGTGGGTGTGG	GTTTCCACTCCTGAGTGAGGAAGGCCTCGCTGCTAACACTCCCCTGGGGTGCGCCGAGAG	1135 TGAAAACCTCAGGAACGCCTGTCAGTGTCCCAGCAAGTTGAGTCTGAGTGACACATCTGA 1076	1136	1137 1137 383 erArgCysAlaGlyThrValGluValGluIleGlnArgLeuLeuGlyLysValCysAspA 403	1137 1137 363 spAlaGlyValThrCysSerAspGlySerAspLeuGluLeuArgLeuArgGlyGlyGlyGlyS 383	 roAlaValTrpGlnCysLysHisHis	328 PhéGlyHisileTrpLeuAspSerValSerCysGlnGlyHisGlub 343	CTAGAGGGA	1264 GGCTGTCTCCTCAATTTCCCCAATAATGTGCCTCACAGTTCCTCACAGAAGCCTCCCAGGC 1205 :::::	1302	1345 GTAAGAACCAGATCAGACTGGAAAAAACTCTCTCCCACTGTGG 1303	1401 CATGTAAAAAAGGAAAGTTACTTCACAAAACTTTTGAGTTATGTGTGTG	1454CACAACCAGCCTTGTGTTATGAAACAGAAAACAGAAAACATGAGGACATGTAA 1402	1455 1455 226 eAspAspLeuIleCysAsnGlyAsnGluSerAlaLeuTrpAsnCysLysHisGlnGlyTr 246	1476 TCATGAAATTAGGTTTGTAGGC	CATCCCTCAGTGGCTCCCCATATCCGTGTAGGCCAGCGCGACTGCAAACCACTGGG	ArgIleGluIleLysPheGlnGlyArgTrpGlyThrValCysAspAspAsnPheAsnIle	157 lySerAsnLeuGluMetArg-LeuThrArgGlyGlyAsnMetCysSerGly 173
Qy 468	490 CCGCAG	Qy 513GATGCCCTCAAACAGAACCACGT 491 :: ::: :::	Db 735 -ValGlulleTyrHisGluGlySerTrpGlyThrIleCysAspAspSerTrpAspLeuSe 754	716CysIleGluSerGlyGlnLeuArgLeuValAsnGlyGlyGlyArgCysAlaGlyArg	701 LeuGlyProThr-ArgProThrIleProGluGluSerAlaValAla 574 CGGTGTCTACGAAGAGG	. 681 AlaSerValIleCysSerGlyAsnGlnSerGlnThrLeuSerSerCysAsn 634 CCAGGTCCCTCCCTCCGTCACGTCCCGGAGAACTCTTCGAGACAGCCTGA	Db 661 HisMetGlyAspCysProValThrAlaLeuGlyAlaSerLeuCysProSerGluGlnVal 680 Qy 640TCTGCT 635	641	Qy 682 CCTCGAAGGCCGGCTTCACGAAGGTGGTGTACTGCGTCAGAA 641	Qy 742 TATTGTCCACTCCTCGTGGGATGATCACATCGCATACTTCTTTGTCGGCAGGCA	Qy 802 TGCAGATGTCACCATTCAGAATGTCCTGGATGTCGCACGATCAGGTTGATGGCAACCA 743	-CCCTGGCTCAGAAAAGGTCCGCTTGTAGCTCCGCCCATTGGACCCTCCTCGGTGCCATT	874 587	899TGTGACCGTTTGCCAGAGGTCAGCA	548 heGlnCysGluGlyHisGluSerHisLeuSerLeuCysProValAlaProArgProGluG	Db 528 alserIleLeuGlyGlyAlaHisPheGlyGluGlyAsnGlyGlnIleTrpAlaGluGluP 548	Db 508 erAspPheSerLeuGluAlaAlaSerValLeuCysArgGluLeuGlnCysGlyThrValV 528 Qy 900 900	Db 490 ysSerGlyArgValGluValLysHisGlyAspThrTrpGlySerIleCysAspS 508 Qy 904 CCAAA	Db 475 sSerAlaHisArgGluProArgLeuValGlyGlyAspIleProC 490 Qy 964 GCCGGGCGGAAACCTGCCCTGAAGGCTCGGCAGCCCCTCAGTGGGGTCTGCTGCTGGACT 905

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rSerGly	ATCGGGTCCCCGCGCCCCTTCCCCGGGCCCGGCGCGCCCAGCGCCAAGCGCCAAGGTCG 14 Db	nIleGlnTyrArgGluMetAsnSerCysLeuAsnAlaAspAspLeuAspLeuMetAsnSe 1116 Qy	74	lyGluAsnLeuValHisGl 1096	aValGlyIleLeuGlyValValLeuLeuAlaIlePheValAlaLeuPhePheLeuThrLy 1076 Qy	106	The state of the	SerValG 1037	GluSerSerLeuTrpAspCysProAlaArgArgTrpG 1017	ACACGGTCGACTTCCCGCTGGCAGTGCCGCTCACCCCCTATCAGGAAGGGCCGGTGG- 153 us	Ali Pre ysGlnGlnLeuGlyCysGlyProAlaLeuLysAlaPheLysGluAlaGluPheGlyGlnG 990 Pre Sco Pre Sco Pre Pre Pre Pre Pre Pre Pre Pre Pre Pre	ACCACCTTCCGCTGCTCCGCTCTCCACCTCGTTC	GluGlyProThrSerCysSerGlyArgValGluIleTrpHisGlyGlySerTrpG 954	rCysAspAsnLysIleArgLeuGln	ARCTGGATGGTCAAAATTGTACTGTCCTTTCAAGGCCTTGGCCTTCT 317	oAlaSerLeuAspLysAlaMetSerIleProMetTrpValAspAsnValGlnCysProLy 900 ;	TGTTCTTCAGAGTCCTGTGCATCAAATCATTATCAAAGGC 364	luThrThrVal			SerLeu 827
/ 196 GGGAAGTCGACCGTGTGTGAGAAGATCATGGAGTTGCTGGGACA 239	887 MetGlyThrProGlyGlnProGlySerProGlyProValGlyAlaProGly-LeuPro	184	o 867 GlyGlnGlnGlyAlaProGlyIleProGlyPheProGlySerLysGlyGluMetGlyVal 886	183	/ 148 CCGCACCAGCCGCCCTTCCTGATAGGGGTGAGCGGC		88 GCCGAGATGGCTTCGGCGGGAGGCGAAGACTGCGAGAGCCCCCGCGCCGGAGGGCCGACCGT	61	1 GTGGGGTCGCCTCGACCTCGGCGCTGGGCGCGCGCGCGCG		Alignment Scores: Pred. No.: 446.40 Score: 446.40 Percent Similarity: 21.86% Best Local Similarity: 17.25% Conservative: Mismatches: 169 Query Match: 14.71% Gaps: 167 Length: Conservative: 446.40 Matches: 54 Mismatches: 169 July Match: Gaps: 167 Matches: 169 Gaps: 169 Gaps: 169 Gaps: 169 Gaps: 160 Gaps: 160 Gaps: 160 Gaps: 167 Mismatches: 169 Gaps: 160 Gaps: 160 Gaps: 167 Matches: 167 Matches: 169 Gaps: 160 Gaps: 160 Gaps: 160 Gaps: 160 Gaps: 160 Gaps: 160 Gaps: 160 Gaps: 160 Gaps: 160 Gaps: Conservative: 160 Gaps: 160 Gaps: Conservative: Conservative: Conservat	N 32 30	T_genes_	Ď	APPLICATION N FILING DATE: APPLICATION N		PRIOR FILING DATE: 000-01-21 PRIOR FILING DATE: 2000-01-21 PRIOR APPLICATION NUMBER: US09/552,317	ENT APPLICATION ENT FILING DATE	APPLICANT: HYSEG INC TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides FILE PREPERIOR: 784FLPCT	A-2222 22, Appli ORMATION:	RESULT 29

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	1134 allysGlyGluAlaGlyLeuProGlyThrProGlyProThrGlyProAlaGlyGlnLysG 1154 642TCTGACGCAGTACACCACCTTCGTGAAGCCGGCCTTCGAGGAGATT 686		1035 lyProGlnGlySerProGlyLeuProGlyAspLysGlyAlaLysGlyGluLysGlyGlnA 1055 561	ACGGTGGTCTACCCTGCGGACGTGGTTCTGTTTGAG	962 1eĠiyrroileĠiyGluLysGlySerArgĠiyAspProGlyThr 976 352 GACCATCCAGATGCCTTTGATAATGATTTGATGCACAGGACTCTGAAGAACATCGTGGAG 411 352 GACCATCCAGATGCCTTTGATAATGATTTGATGCACAGGACTCTGAAGAACATCGTGGAG 411 352 GACCATCCAGATGCCTTGATAATGATTTTGATGCACAGGACTTGAAGAACATCGTGAGA 411 357ProGlyValPro	906 -GlyGluLys
Db 1501 rThrMetProPheLeuPheCysAsnIleAsnAsn	TCCAGTCTGATCTGGTTCTTACACACTCACACAC		CAGACTCAACTTGCTG ::: yLeuValGlyIlePro	Qy 956TG 969 Db 1337 nGlyValProGlyAlaLysGlyLeuProGlyProProGlyProProGlyProTyrAspI1 1357 Qy 970 TGTTCAGGAACTGAGCCTGGGGACCCCACCCACCCACTGCTTCCTCTCGGCGACCC 1029 :::::	922	Qy 830

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Us-09-896-522-1 (1-1624) x US-09-488-725A-2487 (1-1224) Qy 1619 CCCGCACAAGCCTGGGTGTGATGCT	s: 14.6 Length: 446.20 Matches: 15.95% Conserval 18.95% Mismatch 14.91% Indels: 1 Gaps:	RE: NO 1 H: 1 PRI PRI	FILING DATE: 2000-0 APPLICATION NUMBER: FILING DATE: 2000-0 APPLICATION NUMBER: FILING DATE: 2000-1 APPLICATION NUMBER: FILING DATE: 2000-1 FILING DATE: 2000-1 FILING DATE: 2000-1		US-09-488-7/5A-289/ ; Sequence 2487, Application US/09488725A ; GENERAL INFORMATION: ; APPLICANT: Hyseq Inc ; TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides ; FILE REFERENCE: 784FLCT ; CURRENT APPLICATION NUMBER: US/09/488,725A ; CURRENT FILING DATE: 2000-12-72 . PRIOR APPLICATION OF APPLICATION	Db 1621 Gly 1621 RESULT 30	Db 1605GlySerCys-LeuGluGluPheArgSerAlaProPheIleGluCysHis 1620 Qy 1618 GG 1620	1590 rSerAla 1570 cGAGGCG	1573 1517	QY 1459 A
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0 QY QY Db	\$ & B &	0 Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	70 V QV QV	D Q D Q	g Q	D Q	Qγ	g &	g y
995 995 347 ValValTyrSerCysProTyrCysSerLysArgAspPheAsnSerLeuAlaValLeuGlu 366 994	1094 GTCTGAGTGACACTCTGAGTTTCCACTCCTGAGTGAGGAAGGCCTCGCTGCTGACACTC 1035	1214 CCTCCCAGGCTTCCTGCACATTCTCTGTGCACATTCTCAGTGACCTAGAGGATTCTTAGTGACCTAGAGGATTCTTCAGTGACCTAGAGGATTCTTAGTGACCTAGAGGATTCTTAGTGACCTAGAGGATTCTTAGTGACCTAGAGGATTCTCAGGAGTAGAGTTCAGAGGAACGCCTGTCAGTGTCCCAGCAAGTTGA 1095 1154 CGCAACGAGCCTAAGTGGCTGAAAACCTCAGGAACGCCTGTCAGTGTCCCAGCAAGTTGA 1095		GGAA -Glu 		1388 AAAGTACTTGTTCACAAAACTTTTGAGTTATGTGTGAGTGTGAGTGTAAGAAC 1338 ::: ::: 156 isserSerSerLysProPheLysCysThr-ValCysLysArgGlyPheSer 172	1436 ATGAAACAGAAAACAGAAAACATGAGGACATGTAACATGTAAAAAAGG 1389	1496 CTGGACTGCAAACCACTGGGTCATGAAATTAGGTTTGTAGGCCACAACCAGCCTTGTGTT 1437 125 leLysLeuHisThrGlyAspLysLysTyrHisCysH 137	1504AGGCCACG 1497	69 luGluGluGlyGlyThrGlyLeuProTyrProCysGlnPheCysAspLy 85 1505 1505 85 sSerPheIleArgLeuSerTyrLeuLysArgHisGluGlnIleHisSerAspLysLeuPr 105

717 roAlaLysAlaHis-LysCysIlePheCys	CCTCGAAGGCCGGCTTCACGAAGGTGGTGATACTGCGTCAGAATCTGCTCCAGGTCCCTCC	742 TATTGTCCACTCCTCGTGGGATGATCACATCGGCATACTTCTTTGTCGGCAGGCA	759	760 760 671 rLysValSerIleGlnValHisLeuAlaValLysHisSerAsnGluLysLysMetTyrAr 691	760 760 651 uLeuAspMetHisThrPheValLeuTyrHisCysThrLeuCysGlnGluValPheAspSe 671	760 760 631 sTyrValCysGluSerCysAspLysGlnPheSerSerValAspAspLeuGlnLysHisLe 651	760 760 611 eAspSerGlnGluSerLeuGlnHisLeuThrValHisTyrMetThrThrSerThrHi 631	781 760 781 781 782 783 783 783 783 783 783 783 783 783 783	TyrProCysAsnGlnCysAspLeuLysPheSerAsnPheGluSerPheGlnThrHisLeu	782 782 552 ValSerSerProLysArgGlnArgLeuSerAlaSerAlaAsnSerIleSerAsnGlyGlu 571	AGATGTCACCATTCAGAA	813TCGGTGCCATTTGC 800	820 ACCCTCC	880 TCAGCATCCCAGGGTGGTCCCCTTGGCTCAGAAAAGGTCCGCTTGTAGCTCCGCCCATTGG 821 :::	898 GTGACCGTTTGCCAGAGG 881	946CTTGAGGCTCGGCAGCCCCTCAGTGGGGTCTGCTGCTGGACTCCAAAT 899	947 947 422 CysAsnTyrCysProGluMetPheAlaAspIleAsnSerLeuGlnGluHisIleArgVal 441	LysLeuHisLysAsnHisAlaTyrProValMetGlnPheGlyAsnIleSerAlaPheHis	
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TCTCGGCCT	148 GACGGTCGGCCTCCGGCGCGGGGCTCTCGCAGTCTTCGCCTCCCGCCGAAGCCA 95	1018 pLeuValLysLeuAspValAsnGlyLeuProTyrGlyLeuCysAlaGlyCysMetAla 1037		ThrPheHisMetGlnLysLeuAlaGlySerSerAlaAlaSerSerProAsnGlyGl			272ACCACCT 266	GTCCTTTCAAGGCCTTGGCCTTCT	TCAAATCATATCAAAGCATCTGGATGGTCAAAATTGTACT	442 AATCATAGGTCGGCACCTCCACCGTTTTGCCCTCCACGATGTTCTTCAGAGTCCTGTGCA 383	474	511 TGCCCTCAAACAACCACGTCCGCAGGGTAGACCAC	- GA PValAspAlaSerGluProMetTyrGlyCysAspIleCysGlyAlaAlaTyrThrMetGl	GlyMetLeuLeuLysAsnProGluAlaProAsnSerHisGluAlaSerGluAspAs	${\tt GlyThrAlaAsnGlyValProProMetAlaThrLysLysAlaGluProAlaAspLeuGln}$	IleLeuLeuGluLyвНівLeuArgGluLyвНівСувValPheAspAlaAlaThrGluAsn	740 leThrThrHisSerLysLysTyrAsn-CysLysPheCysSerLysAlaPheHisAlaIle 759	622 CTCGGCGCACGTCCCGGACAACTCTTCGAGACAGCCTGACGTCGGAGTCGG 572 :: 727GlyGluThrPheSerThrGluVal-GluLeuGlnCysHis1 740 571 TGTCCACGAAGAGGCGCAGGTGGAACATGT542	

Db 251 lylleLeuValSerAspAsnArgSerLeuPheSerLeuAsnGluValValGluPheArgC 271	Qy 71 71	Db 231 erGlyProAlaProGlnCysIleIleProAsnLysCysThrProProAsnValGluAsnG 251	Qy 71 71	Db 211 luLeuValGlyGluProSerIleTyrCysThrSerAsnAspAspGlnValGlyIleTrpS 231	Qy 63 71	Db 192 TyrGlySerValValThrTyrArgCysAsnProGlySerGlyGlyArgLysValPheG 211	0	Db 172 GlyLeuProProThrIleThrAsnGlyAspPheIleSerThrAsnArgGluAsnPheHis 191		4 000000000000000000000000000000000000	.896-522-1 (1-1624) x IIS-09-488-7251-2369 (1-2044	Watch: 14.67% Indels:	t Similarity: 15.87% Conservative:	Pred. No.: 62.7 Length: 2044 Score: 445.00 Matches: 218	US-09-488-725A-2369	ORGANISM: Homo sapiens	g # 2	; NUMBER OF SEQ ID NOS: /144 ; SOFTWARE: pt FL genes b Versions 1.0 . SED ID NO 2350	0 10	FILING DATE: 2000-1							; CURRENT APPLICATION NUMBER: US/09/488,725A ; CURRENT FILING DATE: 2000-12-22	NVENTION: Novel Nu ENCE: 784FLPCT	; GENERAL INFORMATION: ; APPLICANT: Hyseq Inc	US-09-488-725A-2369 ; Sequence 2369, Application US/09488725A	RESULT 31		Qy 70 gagrececececececerrececeaaceceacececececece	10	Qy 8571	::: Db 1053 AlaAspArgProCysAlaGlyLeuArgCysProGluCysSerValLysPheGluSerAla 1072
рb	5	? 5	? \$?	탕	Q	Db	Qy	Db	φ	Db	Ą	DЬ	8	В	Ŋ.	Db	Q	Db	. 20	뫄	Ş.	đđ	δλ	Ъ	Ş	ф	Ş	망	Q	Дb	Ş	망	Ş	문	Ą
580 erArgIleAsnTyrSerCysThrThrGiyHisArgLeuileGiÿHis- 595		J. V. J. V. J. V. J. J. J. J. J. J. J. J. J. J. J. J. J.		TBCBCCBCBBCBTCCC	AspAsnLeuValTrpSerSer	484CCTGCGGACGTGGTTCTGTTTGAGGGCATCTTGTTC 522	523 SerLeuLysTyrGluCysArgProGluTyrTyrGlyArgProPheSerIleThrCysLeu 542	483 483	503 is-PheLeuPheAlaLysLeuLysThrGlnThrAsnAlaSerAspPheProIleGlyThr 522	472 ACGGTGGTCTAC 483	486 rSerProAlaProArgCysGlyTleLeuGlyHisCysGlnAlaProAspH 503	425AGGTGCCGACCTATGATTTTGTGACACACTCAAGGTTACCAGAGACC:471	469 yGluSerThrileArgCysThrSerAspProGlnGlyAsnGlyValTrpSe 486	377ATTTGATGCACAGGACTCTGAAGAACATCGTGGAGGGCAAAACGGTGG 424	450 hrVal-AsnTyrThrCysAspProHisProAspArgGlyThrSerPheAsp-LeuIleGl 469	340 CAGTACAATTTTGACCATCCAGATGCCTTTGATAATG 376	GlyArgHisThrGlyLysProLeuGluValPheProPheGlyL	303AGGACGGCAGAGGCCAAGGCCCTTGAAAGGA 339	410 etGluSerLeuTrpAsnSerSerValProValCysGluGlnIlePheCysProSerProP 430	302 302	390 alCysAspGluGlyPheGlnLeuLysGlySerSerAlaSerTyrCysValLeuAlaGlyM 410	302 302	370 euLeuAsnGlyArgValLeuPheProValAsnLeuGlnLeuGlyAlaLysValAspPheV 390	292 TTCTACAAGGT 302	352 rProAlaAlaProThrCysGluValLysSerCysAspAspPheMetGlyGlnL 370	274 ATCCTGAGCCAGGACAGG 291	333 roGlyTyrAspLeuArgGlyAlaAlaSerMetArgCysThrProGlnGlyAspTrpSe 352	244 GAGGTGGAACAGCGGCAGC	318 ysAspAsnPheSerProGlyGlnGluValPheTyrSerCysGluP 333	202 TCGACCGTGTGTGAGAAGATCATGGAGTTGCTGGGACAGAAC 243	301 ValCysGlnProPro-ProAspValLeuHisAlaGluArgThrGlnArgAspL 318	148 CCGCACCAGCGGCCCTTCCTGATAGGGGTGAGCGGCGCACTGCCAGCGGGAAG 201	288 uAsnLysTrpGluProGluLeuProSerCysSerArg 300	95TGGCTTCGGCGGGAGGCCGAAGACTGCGAGGCCCGCGCGCG	271 ysGlnProGlyPheValMetLysGlyProArgArgValLysCysGlnAlaLe 288	72

926	sCysGlnAlaLeuAsnLysTrpGluProGluLeuProSerCysSerArgValCysGlnPr	### ### ### ### ######################	574 GACTCCGACGTCAGGCTGTCTCGAAGAGTTCTCCGGGACGTGCGCCGAGGGAGG
Db 1164 AsnGluValValGluPheArgCysGlnProGlyPheValMetLysGlyProArgArgVal 1183 Qy 1309	1065 IleCysGlnArgIleProCysGlyLeuProProThrIleAlaAsnĠlyAspPheIle 1267 GACACT	Db	911 ArgGlyThrSerPheAspLeuIleGlyGluSerThrIleArgCysThrSerAspProGln 1033 GGGAGTGTTAGCAGCAGGAGCCTTCCTCACTCAGGAGTGGAAACTCAGATGTGTCACTCAG

•	Best Local Similarity: 14.21% Mismatches: 140 Query Match: 14.65% Indels: 1135	ant Similarity: 16.88% Conservative:	NO.: 36.9		; ORGANISM: Homo sapiens	LENGTH: 1674	pt_FL_genes_	; ERIOR REFLICATION NUMBER: USUS//2/,544 ; PRIOR FILING DATE: 2000-11-29 . NUMBER OF SEC ID NOS. 7144	FILING DATE: 2000-10-19			APPLICATION NUMBER: US09/620, FILING DATE: 2000-07-19	; PRIOR APPLICATION NUMBER: US09/598,042 ; PRIOR FILING DATE: 2000-06-20	; PRIOR APPLICATION NUMBER: US09/552,317 ; PRIOR FILING DATE: 2000-04-25	; PRIOR APPLICATION NUMBER: US/09/488,725 ; PRIOR FILING DATE: 2000-01-21	; CURRENT APPLICATION NUMBER: US/09/488,725A ; CURRENT FILING DATE: 2000-12-22		CANT: Hyseq Inc	US-09-488-725A-7794; Application US/09488725A	RESULT 32	Db 1377 SerAspProHisGlyAsnGlyValTrpSerSerProAlaProArgCys 1392	QY 1555 TTAAAGGCAGAGAAGCGAGGCGGATGCCCTGGAAGCACCCAGCATCACACCCAGGCTTGT 1614	Db 1357 ProHisProAspArgGlyMetThrPheAsnLeuIleGlyGluSerThrIleArgCysThr 1376	Qy 1543CTTGCTTGTGCC 1554	Db 1338 hrGlyThrProSerGlyAspIleProTyrGlyLysGluIleSerTyrThrCysAsp 1356	QY 1513 ATGGGGAGCCACTGAGGGATGTTTTCCCCCC 1542	Db 1327ProAsnProProAlaIleLeuAsnGlyArgHisT 1338	Qy 1453 TGGCCTACAAACCTAATTTCATGACCCAGTGGTTTGCAGTCCAGCGTGGCCTACACGGAT 1512	Db 1316 snSerValProValCysGluHisIlePheCys	QY 1407TGTCCTCATGTTTTCTGTTTTCTGTTTCATAACACAAGGCTGGTTG 1452	Db 1296 rgLeuLysGlySerSerValSerHisCysValLeuValGlyMetArgSerLeuTrpAsnA 1316	Оу 1406 1406	Db 1276 euPheProLeuAsnLeuGlnLeuGlyAlaLysValSerPheValCysAspGluGlyPheA 1296	Qy 1406 1406	Db 1256 roArgCysAlaValLysSerCysAspAspPheLeuGlyGlnLeuProHisGlyArgValL 1276	Qy 1406 1406	Db 1236 spLeuArgGlyAlaAlaSerLeuHisCysThrProGlnGlyAspTrpSerProGluAlaP 1256
	Q	рь	Ş	Db	Qy	Db	Qy	DЬ	δ	ДĎ	Ş	Db	oy Oy	Дb	Qy	фd	Q	дb	Q	дb	Qγ	Db	Q	Db	Ş	Db	Q	Db	ঠ	Db	Q	Db	ð	DЪ	Q	us-09-8	DB:
	581ACGTCAGGCTGTCTCGAAGAGTTCTCCGGGA 611	768 uHisGlyAlaIleGlyProProGlyLeuGlnGlyIleArgGlyGluProGlyPro 786	561 580	748 oGlyIleProGlyThrProGlyGluLysGlySerIleGlyValProGlyValProGlyGl 768	560 560	728 nGlyGlnLysGlyGluProGlyValGlyLeuProGlyLeuLysGlyLeuProGlyLeuPr 748	560 560	708 yProProGlyThrProGlyArgProGlyPheAsnGlyLeuProGlyAsnProGlyValGl 728	560 560	690 yPheProGlyProProGlyProLysGlyValAspGlyLeuProGlyAspMetGl 708	533 AGATCCGGGACATGTTCCACCTGCGCCT 560	676GlyLeuProGlyGluLysGLyAlaValGlyGlnProGlyIleGl 690	473 CGGTGGTCTACCCTGCGGACGTGGTTCTGTTTGAGGGCATCTTGGTGTTTCTACAGCCAGG 532	664 yAspArgGlyPheProGlyThrProGlyArgPro 675	GCAAAACGGTGGAGGTGCCGACCTATGATTTTGTG	660 roGlyProGlnGl 664	353 ACCATCCAGATGCCTTTGATAATGATTTGATGCACAGGACTCTGAAGAACATCGTGGAGG 412	643 oLeuProGlyProProGlyAlaGluGlyLeuProGlySerProGlyPheP 660	294 -CTACAAGGTCCTGACGGCAGAGCAGAGGCCAAGGCCTTGAAAGGACAGTACAATTTTG 352	625 yProGlySerProGlyLeuProGlyProLysGlyGluProGlyLysIleValPr 643	251 AACAGCGGCAGGAAGGTGGTCATCCTGAGCCAGGACAGGTT 293	610 ProhladlyProlleGlyAspLysGlyGlnAladlyPheProGlyGl 625	191 CCAGCGGGAAGTCGACCGTGTGTGAGAAGATCATGGAGTTGCTGGGACAGAACGAGGTGG 250	595 ySerArgGlyAspThrGlyProProGlyPro-ProGlyTyrGly 609	153CCAGCGGCCTTCCTGATAGGGGTGAGCGGCGCACTG 190	575 rProGlySerValGlyLeuLysGlyGluArgGlyProProGlyGlyValGlyPheProGl 595	143 ACCGTCCGCA 152	560 rProGlyArgAspGlyHisProGlyLeuProGlyProLygGlySe 575	83 CGGAGGCCGAGATGGCTTCGGCGGGGGGGGGCGAAGACTGCGAGAGCCCCGCGCGCG	541 -GlyAspLysGlyAspProGlyPheProGlyGlnProGlyMetProGlyArgAlaGlySe 560	53 GGGCGGGGGGAGACCCG	521 IleGlyGlnProGlyAlaLysGlyGluProGlyGluPheTyrPheAspLeuArgLeuLys 540	50AAG 52	504 GlyArgAspGlyValAlaGlyValProGlyProGlnGlyThrProGlyLeu 520	5 GGTCGCCTCCGACCTCGGCGCTGGGCCGGGGCCCGGGGGC	896-522-1 (1-1624) x US-09-488-725A-5794 (1-1669)	1 Gaps: 24

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998 998	1096 oGlyLeuLysGlySerProGlySerValGlyTyrProGlySerProGlyLeuProGlyGl 1116	1077 SerProGlyGluLysGlyGluLysGlySerIleGlyIle-ProGlyMetProGlySerPr 1096		965 ATGTGTGTTCAGGGACTG	GlyLeuProGlyAspLysGlyAlaLysGlyGluLysGlyGlnAlaGlyProProGly	944944 PRINTERIOGIYGIUMY8GIYVAIPROGIYIIEPROGIYPROGINGIYGEPRO 1037		923 ACTGAGGGGCTGCCGAGCCTC	${\tt GlyLysAspGlyGlnAlaGlyGlnProGlyGlnProGlyProLysGlyAspProGlyIle}$	958 GlnIleGlyProIleGlyGluLy8GlySerArgGlyAspProGlyThrProGlyValPro 977	922 922	922 922 938 MetAspLysValTyrMetGlySerMetLysGlyGlnLysGlyAspGlnGlyGluLysGly 957	914 GCAGACCCC 922 918 GlyAspProGlyLeuLysGlyAspLysGlyAspValGlyLeuProGlyLysProGlySer 937	860 GGGACCACCCTGGGATGCTGACCTCTGGCAAACGGTCACATTTGGAGTCCAGCA 913	812GAGGAGGGTCCAATGGGCGGAGCTACAAGCGGACCTTTTCTGAGCCAG 859	811 811 868 AlaProGlyIleProGlyPheProGlySerLy8GlyGluMetGlyValMetGlyThrPro 887	### ##################################	ACCASAMENTAL AND THE CONTRACT	sGlypheproGlyphepro		787 ProGlyLeuProGlySerValGlySerProGlyValProGlyIleGlyProProGl 805 612CGTGCGCCGAGGGAGGGAGCCTGGAGCAGTTGCGCACCTTCGTGA 667
Db 1447LeuValThrArgHisSerGlnThrIleAspAspProGlnCysProSerGlyTh 1464	1428 pGlyLeuProGlySerMetGlyProProGlyThrProSerValAspHisGlyPhe	Qy 1302	1301	1388 uValGlyIleProGlyProProGlyIleProGlyPheAspGlyAlaProGlyGlnLysGl	Db 1368 oGlyLeuLysGlyLeuGlnGlyLeuProGlyProLysGlyGlnGlnGlyValThrGlyLe 1388	Qy 1301 1301	Qy 1282	1329 lyAspGlnGlyAspGlnGlyValProGlyAlaLysGlyLeuProGlyProProGlyProP	Db 1309 roProGlyValProGlyPheGlnGlyProLysGlyLeuProGlyLeuGlnGlyIleLysG 1329		Qy 1281	Db 1269 lyAsnProGlyTrpProGlyAlaFroGlyValProGlyProLysGlyAspProGlyPheG 1289			:::	1085	1196 1025	Db 1176 roGlyPheProGlyAlaLysGlyAspLysGlySerLysGlyGluValGlyPheProGlyL 1196 Qy 1024G 1024	Db 1156 spGlyIleProGlySerAlaGlyGluLysGlyGluProGlyLeuProGlyArgGlyPheP 1176 Qy 1023 1023	Db 1136 yLeuProGlyThrProGlyProThrGly-ProAladiyGlnLysGlyGluProGlySerA 1156 Qy 1023 1023	Db 1116 uLysGlyAspLysGlyLeuProGlyLeuAspGlyIleProGlyValLysGlyGluAlaGl 1136 Qy 999CCCACACCCACTGCTTCCTCTGGGC

φ	Alignment Scores: 31.7 Length: 1551 Qy Score: 443.40 Matches: 219
1110 TGTCCCAGCAAGTTGAGTCTG	ORGANISM: Homo sapiens Qy US-09-488-725A-6012 Db
1113CAG 1111 ::: 551 GlyLysGlnIleArgAlaArgSerIleLeuAlaTyrAlaGlyGluGluGlyGlyIleArg 570	pt_FL_genes_ 5012 1557
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1145	FILING DATE: 2000-08-31 APPLICATION NUMBER: US09/662, FILING DATE: 2000-09-14 APPLICATION NUMBER: US09/693.
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1CTCAGTGACCTAGAGGGATCTTTAAACCGCAACGAG	
1227 TTCCTCACAGAAGCTCCCAGGCTTCCTGCACATTCTGTGGCATTT 1182	FILE REFERENCE: 784FLPCT CURRENT APPLICATION NUMBER: US/09/488,725A CURRENT STAING DATE: 2000-12-22 Db PETOR APPLICATION VIMBER: US/09/488,725
1286 -ACATCAGGCCAGTCGTCTAGGCTGTCTCCTCAATTTCCCCAATAATGTGCCCTCACA 1228	1012, Application US/09488725A L INFORMATION: CANT: Hyseq Inc.
1326 GGAAAAAACTCTCTCCCACTGTGGGTTCACTGTCAACAAA	1607 G SULT 33
	Oy 1589GCACCCAGCATCACACCCAGGCTTGTGCGGGG 1620 . Db
396 ThrGlnLeuCysHisIleProCysProThrGluCysGluValSerProTrpSerAlaTrp 415	1529 GGATGTTTTCCCCCCCTTGCTTGTGCCTTAAAGGCAGAGAAGCGAGGCGGATGCCCTGGAA 1588
	Db 1575SerSerLeuTrplleGlyTyrSerPheValMetHisThrSerAlaGlyAlaGlu 1592 Qy
1395 AAAAAGGAAAGTACT 1381 :::::: 376 hertyodlinalagertyoeDroMetagnieuitygieuitygThyGlyProIleProAgnThr 395	1557 ValMetAlaValHisSerGlnThrIleGlnIleProProCysProSerGlyTrp 1574
1443 TTGTGTTATGAAACAGAAAACAGAAAACATGAGGACATGTAACATGTA 1396 GlnAlaAsnGluAsnLeuLeuSerGlnLeuSerThrHistys 375	-O H •
	1459
337 lnGlnAspLysArgArgGlyAsnGlnThrAlaLeuCysGly350	. ب
GCTCCCCATATCCGTGTA	1504
1623 TGGCCCCGCACAAGCCTGGGTGTGATGCTGGGTGCTTCCAGGGCATCCGCCTCGCTTCTC 1564	Db 1484 yGlnAspLeuGlyThrAlaGlySerCysLeuArgLysPheSer-ThrMetProPheLeuP 1504 Qy Oy 1394 TITACATGTTACATGTCTCATGTTTTCTGTTTTCTGT
us-09-896-522-1 (1-1624) x US-09-488-725A-6012 (1-1551)	Qy 1359TAACTCAAAAGTTTTGTGAACAAGTACTTTCCTTT 1393 us-
Percent Similarity: 17.67% Conservative: 58 Best Local Similarity: 13.97% Mismatches: 145 Query Match: 14.81% Indels: 1146 DB: Gaps: 38	Qy 1358 1358 Perc Best Db 1464 rLysIleLeuTyrHisGlyTyrSerLeuLeuTyrValGlnGlyAsnGluArgAlaHisGl 1484 DB:

893 rgTyrGlnAlaMetAlaCysTyrAspGlnAsnGlyArgLeuValGluThrSerArgCysA 913 808	823 818 853 spLysTyrAsnAlaGlnProValGlyAsnTrpSerAspCysIleLeuProGluGlyLysV 873 817CTCCTCGGT	851	rCysArgLysGlnAspGlyGlyGlnAlaGlyIleHisGluCysLeuGlnTyrAlaGlyPr CCTGCCCTGAGGCTCGGCAGCCCCTCAGTGGGGTCTGCTGCTGGACTCCAATGT :::	1020 GAGAGGAAGCAGTGGGTGTGGGTGGGGGGGTCCCCAGGCTCAGTCCCTGAACACAC 967	spProLeuTyrGluGluLysAlaCysGluAlaProGlnAlaCysGlnSerTyrArgTrpL		630 ysVallleCysValArgValAsnValGlyGlnValGlyProLysLysCysProGluSerL 650 1066CCTGAGTGAGGAAGGCCT	TyrHisTrpGlnThrGlyProTrpGlyGlnCysIleGluAspThrSerValSerSerP
Db 1229 ysprovallysproCysTyrArgTrpGlnTyrGlyGlnTrpSerProCysGlnVa 1247 Qy 392	Oy 426 CTCCACCGTTTT 415 Db 1191GluCys-SerGlnThrCysGlyLeuThrGlyLysMetIleArgArgArgThrValT 1209 Qy 426 CTCCACCGTTT	479	479	Qy 502	Qy 538	Db 998 rpSerIleCysLysValThrPheValAsnMetArgGluAsnCysGlyGluGlyValGlnT 1018 Qy 591 CAGCCTGACGTCGGTGTCCACGAAGAGGCGCACGTGGAACATGTCCC 539	971AspHisValAsnGlnAlaGlnValTyrGlu 666 CACGAAGGTGGTGTGCGTCAGAATCTGCTCCAGGTCCCTCCGGCGCACGTCCC-	Qy 762 GATCAGGTTGATGGCAACCATATTGTCCACTCCTCG 727 -

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APPLICANT: Hyseq Inc
TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides
FILE REPERENCE: 784FLPCT
CURRENT APPLICATION NUMBER: US/09/488,725A
CURRENT FILING DATE: 2000-12-2
PRIOR APPLICATION NUMBER: US/99/488,725
PRIOR FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US/99/552,317
PRIOR APPLICATION NUMBER: US/99/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: US/99/598,042
PRIOR APPLICATION NUMBER: US/99/598,042
PRIOR APPLICATION NUMBER: US/99/598,042
PRIOR FILING DATE: 2000-06-20
PRIOR FILING DATE: 2000-07-19
                                                                                                                                                                                                                                                                                                RESULT 34
US-09-488-725A-2653
                                                                                                                                                                                                                                                       Sequence 2653, Application US/09488725A GENERAL INFORMATION:
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PRIOR PILING DATE: 2000-08-31
PRIOR PELICATION NUMBER: US09/662,191
PRIOR FILING DATE: 2000-09-14
PRIOR FILING DATE: 2000-09-14
PRIOR ELIUNG DATE: 2000-10-19
PRIOR APPLICATION NUMBER: US09/727,344
PRIOR APPLICATION NUMBER: US09/727,344
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                                                                                    pGluSerAlaLeu
                                                                                                                      CCACGGTGGTCTACCCTGCGGACGTGGTTCTGTTTGAGGGCATCTTGGTGTTCTACAGCC 529
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                                                                                                                                                                                                                                                                                                                        ----PheLys-----CysAlaGluArg--GlyGlnAspPheSerArg
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CAGTGGTTTGCAGTCCAGCGTGGCCTACACGG	588 Hisser-GlyGluArgProPheAsnCysLysAspCysGlyArgGlyPheIleLeuLysSe 607 331 TGATCTGGTTCTTACACACTCACACACATAACTCAAAAGTTTTGTGAACAAGTACTTTCC 1390 331 TGATCTGGTTCTTACACACTCACACACATAACTCAAAAGTTTTTGTGAACAAGTACTTTCC 1390 607 rThrLeuLeu-PheHisGlnLysThrHisSerGlyGluLysPr 621 391 TTTTTACATGTTACATGTCCTCATGTTTTCTGTTTTCTGTTTTCATAACACAAGGCTGGT 1450	GGCACATTATTGGGGAAA	gAspLysSerSerTyrAsnLysH TCCCTCTAGGTCACTGAGAAATG	.068	sniys sniys (GCAGGTC ::: yGlu yGlu yGlu TCACTCA TCACTCA TCACTCA TCACTCA TCACTCA

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Db 767	. 7	Оу 1049	7	Db 707 r	Qy 1049	Db 687	• • •	Фу 1067	Db 647	10	Qy 1089 Db 628	Db 608	Оу 1110	Db 588	Оу 1113	(J)	Оу 1139	ហ	Qy 1145	Db 528	<u>.</u>	:	Db 493	Оу 1227	Db 480	ь	Db 465	. Qy 1326	Db 453	., Oy 1380	Db 433
ysThrHisLysTrpArgArgCysGlnLeuValProTrpSerValGlnGlnAspSerPr 786	spProLeuTyrGluGluLysAlaCysGluAlaProGlnAlaCysGlnSerTyrArgTrpL) 1049	${\tt sGlnSerArgHisArgValIleIleGlnLeuProAlaAsnGlyGlyArgAspCysThrA}$	07 roTyrSerAspTrpThrSerCysProSerSerCysLysGluGlyAspSerSerIleArgL 727	9 1049	87 euArgProGluThrValArgProCysLeuLeuProCysLysLysAspCysIleValThrP 707		7 1067	47 heAsnThrThrThrTrpAsnGlyGluAlaSerCysSerValGlyMetGlnThrArgL 667		89AGTGACACATCTGAGTTTCCACT- 1067 28 TyrHisTrpGlnThrGlyProTrpGlyGlnCysIleGluAspThrSerVallerSerP 647	CysProAsnSerSerAlaLeuGlnGluValArgSerCysAsnGluHisProCysThrVal	TGTCCCAGCAAGTTGAGTCTG 1090	88 GlyLysGlnIleArgAlaArgSerIleLeuAlaTyrAlaGlyGluGluGlyGlyIleArg 607		rGlyLysThrThrGlu	.39TGGCTGAAAACCTCAGGAACGCCTGT1114	$\frac{ \ \ \ \ }{gAspAlaIlePheProIleProValAlaCysAspAlaProCysProLysAspCysValLe}$	CCTAAG	1140 28 nValGlnGluValValCysIleAsnSerAspGlyGluGluValAspArgGlnLeuCysAr 548		.81CTCAGTGACCTAGAGGGATCTTTAAACCGCAACGAG	3LeuLeuGluAlaIleProCysGluGluProAlaCysTyrAspTrpLysAl 509	227 TTCCTCACAGAAGCCTCCCAGGCTTCCTGCACATTCTGTGGCATTT 1182	80 oThrGlyGlySerGlyValThrGlyAsnCysProHis- 492	286 -ACATCAGGCCAGCCAGTGTCTAGGCTGTCTCCTCAATTTTCCCCCAATAATGTGCCTCACA 1228	 465 GlyLysLys	GGAAAAAACTCTCTCCCACTGTGGGTTCACTGTCAACAAA 1287	453 GlyProCysThrTyrGluAsnCysAsnAsnGlnGln 464)TGTTCACAAAACTTTTGAGTTATGTGTGTGAGTGTGTAAGAACCAGATCAGACT 1327	33 ThrGlnLeuCysHisIleProCysProThrGluCysGluValSerProTrpSerAlaTrp 452

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GAACACCAAGATGCCCTCAA	1054 inThrArgLysValArgCysMetGlnAsnThrAiaAspGlyProSerG 1070 538		669 CTTCACGAAGGTGGTGACTGCGTCAGAATCTGCTCCAGGTCCCCTCCGGCGCACGTC 610		968 ysLeuserGluTrpSerAsnTrpSerArgCysSerLysSerCysGlySerGlyValLysV 988 765 CACGATCAGGTTGATGGCAACCATATTGTCCACTCC 730	ysAsnSerHisGlyTyrIleGluGluAlaCysIleIleProCysPro-SerAspCysL CTGGATGTGCTG	929 yrArgTyrGlnAlaMetAlaCysTyrAspGlnAsnGlyArgLeuValGluThrSerArgC 949 80870	ysVaIGluValLeuLeuGlyMetLysVaIGlnGlyAsplleLysGluCysGlyGlnGlyF	YBABDAYBIYIABHAIGGHELOVAIGIYABHIIDGELABDCYBIIEHEUFIGGIUGIYH	ysLysLysCysLysAsmSerHisLeuTyrProLeuIleGiuTnrGinTyrCysProC	увавпGтуаврСувGтуатаvатагgгптагgгувагgтптьепvатGтуувыетгувы	GTAGCTCC	896 -GACCGTTTGCCAGAGGTCAGCATCCCAGGGTTGGTCCCCTGGCTCAGAAAAGGTCCGCTT 838	951 CCTGCCCTGAGGCTCGGCAGCCCCTCAGTGGGGGTCTGCTGCTGGTGGACTTCCAAATGT 897 :::	ATGCCGGGCGGGAGA	1020 GAGAGGAAGCAGTGGGTGGGTGGGCGTCCCCAGGCTCAGTCCCTGAACACAC 967
Qy 175 154 Db 1429 lylleAenValThrGlyGlyCysLeuValMetSerGlnProAspAlaAspArgSer 1447 Qy 153 GTGCGGACGGTCGGCCTCCGGCG	1409	Db 1377 rg-proValllelleGlnGluLeuGluAsnGlnHisLeuCysPr 1391 Qy 234 CAGCAACTCCATGATCTTCTCACACACGGTCG	Db 1357 ysGlnLeuThrCysValAsnGlyGluAspLeuC Qy 294 GAACCTGTCCTGGCTTCAGGATGACCACCTTCCC	Qy 324 GGCCTTCTGCTCTGCCGTCAGGACCTTGT	Qy 341TGTCCTTTCAAGGCCTT 325	Qy 375 ATTATCAAAGGCATCTGGATGGTCAAAATTGTAC342 	Qy 392	Qy 415TGCCCTCGACGATGTTCTTCAGA	Oy 429 CACCTCCACCGTTT	Qy 462 TAACCTTGAGTGTGTCACAAAATCATAGGTCGG 430	Qy 478CACCGTGGTCTCTGG 463	Qy 479	1169 laValCysGlyAsnGlyIleLysThrArgMetLeuAspCysValArgSerAspGlyLysS	4/9 1149 snCysTyrHisTyrAspTyrAsnValThrAspTrpSerThrCysGlnLeuSerGluLysA	ь	alLeuProCysAsnGlnSerSerPheArgGlnArgSerAlaAspProIleArgGlnProA

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Oy 2 TGGGGTCGCCTCCGACCTCGGCCGTGGCCGGCCCCGGCCCC	us-09-896-522-1 (1-1624) x US-09-488-725A-6012 (1-1551)	Y Match: 14.56% Indels: Gaps:	H # 6	Length:	; ORGANISM: Homo sapiens US-09-488-725A-6012	6012	1-29 4	FILING DATE: 2000-1 APPLICATION NUMBER:	FILING DATE: 2000-0 APPLICATION NUMBER:	FILING DATE: 2000-0 APPLICATION NUMBER:	PRIOR FILING DATE: 2000-07-19 PRIOR FILING DATE: 2000-07-19		; PRIOR APPLICATION NUMBER: US09/552,317 ; PRIOR FILING DATE: 2000-04-25 ; PRIOR APPLICATION UMMBER: US09/598.042	; PRIOR APPLICATION NUMBER: US/09/488,725 ; PRIOR FILING DATE: 2000-01-21	; FILE REFERENCE: 784FLPCT; CURRENT APPLICATION NUMBER: US/09/488,725A	; APPLICANT: Hyseq Inc ; TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides	equence 6012 ENERAL INFOR	RESULT 37 US-09-488-725A-6012	Db 1560 aCysLysLysProLysLysProGlnArgArgGlnAsnAsnArg 1574	Qy 41	1540 rGlyValAlaAlaGlyAlaPheValLeuLeuIlePheIleValSerMetIleTyrLeuAl			Qy 54 ¢¢¢TT¢ccccgg¢ç 42	Db 1504 ThrSerArgAlaValHisProThrGlnPro-SerSerAsnProAlaGlyArgGly 1521	Oy 111 GCCTCCCGCCGAAGCCATCTCGGCCTCCCGCGCGATCGGGGTCCCCGCGCCCCCCCC	Db 1485 hrLeuIleProValValValLeuProThrMetGluAspLysArgGlyAspValLys 1503	Qy 130	Db 1465 ysHisCysGluGluGlyTyrThrGluValMetSerSerAsnSerThrLeuGluGlnCysT 1485	Oy 131 131	
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36 SerGlnGlnAspLysArgArgGlyAsnGlnThrAlaLeuCysGlyGlyGlyIleGlnThr	316 CysAlaThrTyrGlyTrpArgThrThrGluTrpThrGluCysArgValAspProLeuLeu 335	TGCGCCTCTTCGTGGACA	297 sProGluPheGluGluLysGluProCysLeuSerGlnGlyAspGlyValValPro 315	aGlyThrArgValArgThrArgThrIleArgGlnPheProIleGlySerGluLysGluCy		263TrpSer-ProCysSerLysThrCysHisAspMetValSerProAl 277	etThrPheGlnSerCysVallleThrLysGluCysGlnValSerGluTrpSerGlu	466	224 sIleAsnLysThrGlyLysAlaAlaAspLeuSerPheCysGln-GlnGluLysLeuProM 244	420GTGGAGGTGCCGACCTATGATTTTTGTGACACACTCAAGGTTACCA- 465	 204 nArgGlnGluAsnLysTyrTrpAspIleGlnIleGlyTyrGlnThrArgGluValMetCy 224	419 C		171ArgGLyLysAsnLysGluArgGluLysAspArgSerLysGlyValLysAspP 188	CCTTGAAAGGACAGTACAATTTTGACCATC	154 TrpSerThrCysSerMetProHisSerArgGlnValArgGlnAlaArgArg 170	269 TGGTCATCCTGAGCCAGGACAGGTTCTACAAGGTCCTGACGGCAGAGCAGAAGGCCAAAGG 328		TGGGACAGAACG		CGCACCAGCGGCCCTTCCTGATAGGGGTGAGCGGCGCACTGCCAGCGGGAAGTCGACCG	09GlnHigArqThrArqHigValValAlaProProGlnPheGlyGly	AGGCCGAC		73100GCGGGAGGCGAGGCCGAGATGGCTT 100	73 roLysProLeuLeuGluGlnAlaCysLeuIleProCysGlnGlnAspCysIleValSerG 93	72 72	53 laCysIleGlnLysAspLysAspIleProAlaGluAspIleIleCysGluTyrPheGluP 73	72 72	34 euGluLysProLeuGluCysIleLysGlyGluGluGlyIleGlnValArgGluIleA 53	46 72

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	800GCAAATGGCACCGAGGAGGGTCCAATGGGCCG831
	681 CysLysGluGlyAspSerSerIleArgLysGlnSerArgHisArgValIleIleGlnLeu 700 Oy
1016 lGlnThrArgLysValArgCysMetGlnAsnThrAlaAspGlyProSerGluHisValGl 1036	799 799 Db
1115 1115	662 sLysLysAspCysIleValThrProTyrSerAspTrpThrSerCysProSerSer 680 Qy
996 uProTrpSerIleCysLysValThrPheValAsnMetArgGluAsnCysGlyGluGlyVa 1016	
1115 C 1115	yProLysLysCysProGluSerLeuArgProGluThrValArgProCysLeuLeuProCy
978 lTyrGluValValProCysHisSerAspCysAsnGlnTyrLeuTrpValThrGl 996	773
;	622 BSerValGlyMetGlnThrArgLyBVallleCyBValArgValABnValGlyGlnValGl 642 Qy
uLysProTyrAsnGlyGlyArgProCysProLysLeuAspHisValAsnGlnAlaGlnVa	773 773 Db
938 pSerArgCysSerLysSerCysG1ySerG1yVa1LysVa1ArgSerLysTrpLeUArgG1 958	eGluAspThrSerValSerSerPheAsnThrThrThrThrTrpAsnGlyGluAlaSerCy 622
1079 1079	
918 eGluGluAlaCysIleIleProCysProSerAspCysLysLeuSerGluTrpSerAsnTr 938	773 773 Db
1079 1079	rAlaGlyGluGlyGlyIleArgCysProAsnSerSerAlaLeuGlnGluValArgSe
898 aCysTyrAspGlnAsnGlyArgLeuValGluThrSerArgCysAsnSerHisGlyTyrIl 918	773 773 pb
1 1	542 sThrCysSerGlyLysThrThrGluGlyLysGlnIleArgAlaArgSerIleLeuAlaTy 562
yAspIleLysGluCysGlyGlnGlyTyrArgTyrGlnAlaMetAl	773 T 773 pb
	pCysValLeuSerThrTrpSerThrTrpSerSerCysSer-Hi 542
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::: 842 yrProLeulleGluThrGlnTyrCysProCysAspLysTyrAsnAlaGlnProValGlyA 862	AGTATGCCGA725 AGTATGCCGA725 AGTATGCCGA725
ACCCAC	ValAspArgG1 508
	672
OVOJOVOJOJO	472 aValArgLeuGlyAspCysGluProAspAsnGlyLysGluCysGlyProGlyThrGlnVa 492
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::: 782 yrAlaGlyProValProAlaLeuThrGlnAlaCysGlnIleProCysGlnAspAspCysG 802	650 AGTACACCACCTTCGTGAAGCC
973TCAGGACTGAGCCT 987	<pre>sLeuArgLysArgArgIleThrAsnGluProThrGlyGlySerGlyValThrGlyAsnCy</pre>
rgAlaIleThrCysArgLysGlnAspGlyGlyGlnAlaGlyIle	649
	413 rÅlaTrpGlyProCysThrTyrGluAsnCysAsnAspGlnGlnGlyLysLysGlyPheLy 433 Ov
911 GCAGCAGACCCACTGAGGGCTGCCGAGGCCTCAGGGCAGGTCTCCCGCCCG	TGCG 617
alGl	572
860 GGGACCACCCTGGGATGCTGACCTCTGGCAAACGGTCACATTTGGAGTCCA 910	AsnLysGluAlaSerLysProMetAspLeuLysLeuCysThrGlyProIleProAsnThr 395
luLysAlaCysGluAlaProGlnAlaCysGlr	571 571 pb
	356 ArgGluValTyrCysValGlnAlaAsnGluAsnLeuLeuSerGlnLeuSerThrHisLys 375
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TyrGlySerValValThrTyrArgCy8AsnProGlySerGlyGlyArgLysValPheG 661	Db 642 TyrGl	_
	Qy 34	_
GGTCGCCTCCGACCTCGGCGCTGGGCGGG33 	Qy 4 GGGTCGC Db 622 GlyLeuP	
S-09-488-725A-5941 (1-2044)	-09-896-522-1 (1	_
71.7 Length: 2044 441.90 Matches: 214 17.68% Conservative: 44 14.67% Mismatches: 142 14.56% Indels: 1060 1 Gaps: 33	Alignment Scores: Pred. No.: Score: Percent Similarity: Best Local Similarity: Ouery Match: DB:	
sapiens	mo 941	
ONS: 7144 genes_b Versions 1.0	NUMBER OF SEQ ID	
APPLICATION NUMBER:.US09/727,344 FILING DATE: 2000-11-29	; PRIOR APPLICATION ; PRIOR FILING DATE:	
FILING DATE: 2000-10-19		
FILING DATE: 2000-08-31 APPLICATION NUMBER: US09/662,191 FILING DATE: 2000-08-14	; PRIOR FILING DATE:	
6-20 US09/620,		
4-25 US09/598.		
NUMBER: US/09/488,725 : 2000-01-21 NUMBER: US/09/552 317	; PRIOR APPLICATION ; PRIOR FILING DATE:	
R: US/09/48 0-12-22	; CURRENT APPLICAT	
ucleic Acid	T T	
41 Application US/09488725A TION: er The	RESULT 38 US-09-488-725A-5941 , Sequence 5941, Appli; GENERAL INFORMATION: APPLICANT: Hyser In	
LysThrSerArgAlaValHisProThrGlnProSerSerAsnPro 1480	Db 1466 -Lyst	
	Qy 1586 GAAG-	
ysThrLeuIleProValValValLeuProThrMetGluAspLysArgGly-AspVal 1465	Db 1447 ysThr	
TAAAGGCAGAGAGAGGCGAGGCGATGCCCTG 1585	Qy 1555	
hrCysHisCysGluGluGlyTyrThrGluValMetSerSerAsnSerThrLeuGluGlnC 1447	Db 1427 hrCys	
	Qy 1554	
erCysAsnProProCysSerGlnProHisSerTyrCysSerGluThrLysT 1427	Db 1409 ArgSe	
Ö	Qy 1538	
ValThrGlyGlyCysLeuValMetSerGlnProAspAlaAsp 1408	Db 1392 yIleAsn-	
CCTACACGGATATGGGGAGCCACTGAGGGATGTTTT	Qy 1502 CCTAC	

483	AGGTGCCGACCTATGATTTTTGTGACACACTCAAGGTTACCAC	340 CAGTACAATTTTGACCATCCAGATGCCTTTGATAATG 376	302 302 860 etGluSerLeuTrpAsnSerSerValProValCysGluGlnIlePheCysProSerProP 880 303ACGACAGAGGCAGAAGGCCAAGGCCTTGAAACGA 339 ::: :::	292 TTCTACAAGGT	GAAGGTGGTCGAAGAGGGGGAAGGTGGTC	148 CCGCACCAGCCGCTCCTGATAGGGGTGAGCGGCACTGCCAGCGGGAAG 201 148 CCGCACCAGCCGCCCTTCCTGATAGGGGTGAGCGGCACTGCCAGCGGGAAG 201	lyIleLeuValSerAspAsnArgSerLeuPheSerLeuAsnGluValGluPheArgC	::: 661 luLeuValGlyGluProSerIleTyrCysThrSerAsnAspAspGlnValGlyIleTrpS 681 7171 681 erGlyProAlaProGlnCysIleIleProAsnLysCysThrProProAsnValGluAsnG 701 71
Qy 1105 GGACACTGACAGGCTTCCTGAGGCTTTAGGCTCGTTTAGGCTCGTTTAGGCTCGTTTAGGCTCGTTTAGGCTTTAGGCTTTAGGCTTTAGGCTTTAGGCTTTAGGCTTTAGGCTTTAGGCTTTAGGCTTTAGGCTTTAGGCTTTAGGCTTTAGGCTTTAGGAAGCCTTGAGAAATGTGCAAGAAATGTGCAAGAAATGTGAAGAGAAGCCTTGAGAAGCCTTGAGAAGAATGTGAAGAATGTGAAGAAGCCTTGAGAAGCCTTGAGAAGCCTTGAGAAGAATGTGAAGAATGTGAAGAAATGTGAAGAAATGTGAAGAA	1004		1168 898 1188		Qy 802AATGGCACCAAGGA	Qy 694 CCGACAAAGAAGTATGCCGATGTGATCATCCTCACGAGGAGTTGGACAATATGGTTGCCATC 753	574 GAC 1046 634 GAC 1059 pSe	Db 993 AspAsnLeuValTrpSerSerProLysAspValCysLysArgLysSerCysLy 1010 Qy 523 TACAGCCAGGAGATCCG

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Оу 1308 С	1605 eArgValProGlyAsnArgSerPhePheSerLeuThrGluIleIleArgPheArgCysGl 1625
Db 38 Ty	1556 1556
Оу 1368 Т	1586 -ProProProArgCysIleSerThrAsnLysCysThrAlaProGluValGluAsnAlaIl 1605
Db 25	1538 CCCCCTTGCTTGTGCCTT
Оу 1428 С	1571 IleTyrCysThrSerLysAspAspGlnValGlyValTrpSerSer 1585
Db 19 G	1508 1537
Оу 1488 С	1551 TyrGlnCysHisThrGlyProAspGlyGluGlnLeuPheGluLeuValGlyGluArgSer 1570
Db 10	1507 1507
Qy 1548 A	1531 SerAsnGlyAspPheTyrSerAsnAsnArgThrSerPheHisAsnGlyThrValValThr 1550
Db 1 M	1507 1507
Qy 1608 C	1516 laProIleCysGluIleIleSerCysGluProProProThrIle 1530
us-09-896-522-1	1465CTAATTTCATGACCCAGTGGTTTGCAGTCCAGCGTGGCCTACA 1507
DB:	1496 leGlySerProSerThrThrCysLeuValSerGlyAвnAвnValThrTrpAвpLyвLyвA 1516
S C	1464 1464
Score:	1476 snThrAspThrGlnPheGlySerThrValAsnTyrSerCysAsnGluGlyPheArgLeuI 1496
=	1464 1464
US-09-488-725A-:	1456 snCysArgArgLysSerCysGlyProProProGluProPheAsnGlyMetValHisIleA 1476
; TYPE: PRT	1456 1464
മല	leSerCysLeuGluAsnLeuV
	1414ATGTTTTCTGTTTCTGTTTCATAACACAAGGCTGGTTGTGG 1455
	1418 spPheGluPheProValGlyThrSerLeuAsnTyrGluCysArgProGlyTyrPheGlyL 1438
PRIOR APPLICA	1413 1413
	1402LysThrProGluGinPheProPheAlaSerProThrIleProIleAsnA 1418
	1360 AACTCAAAAGTTTTGTGAACAAGTACTTTTCCTTTTTTACATGTTACATGTCCTC 1413
	CysGluLeuSer
PRIOR APPLICA	1326
; PRIOR APPLIC	1363 MetThrPheAsnLeuIleGlyGluSerThrIleArgCysThrSerAspProHisGlyA 1382
PRIOR APPLICA	1291 TTGACAGTGAACCCACAGTGGGAGAGAGTTTTTTC
	1346ProTyrGlyLysGluIleSerTyrThrCysAspProHisProAspArgGly 1362
; FILE REFEREN	1261 AGCCTAGACACTGGCTGGCCTGATGTTTTG 1290
; GENERAL INFOR	roAlaIleLeuAsnGlyArgHisThrGlyThrProSerG
US-09-488-725A-	1244GGGGAAATTGAGGAGAC 1260
PE TIME	1309 GlyMetArgSerLeuTrpAsnAsnSerValProValCysGlu-HisilePheCysProAs 1328
1645	1228 1243
1571	1289 PheValCysAspGluGlyPheArgLeuLysGlySerSerValSerHisCysValLeuVal 1308
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δ	₽	Q	Db	Q	р <i>8</i>	Db	Q	Db	Q	us-09-8	Alignment Pred. No. Score: Percent S Best Loca Query Mat	Qy 1 Db 1 RESULT 39 US-09-488- Sequence Sequence GENERAL APPLICA TITLE RE CURRENT CURRENT CURRENT FRIOR F PRIOR A PRIOR F PR	D QQ
1308 CTGTGGGTTCACCAACAAAA	38 TyrMetSerIleSerThrCysGluTrpLysMetAsnGlyProT 52	TTTTGAGTTATGTGTGTGAGTGTGTAAGAACCAGATCAGACTGGAAAAAACTCTCTCCCA 1		1428 GAAAACAGAAAACATGAGGACATGTAACATGTAAAAAAGGAAAGTACTTGTTCACAAAAC 136	1488 CAAACCACTGGGTCATGAAATTAGGTTTGTAGGCCACAACCAGCCTTGTGTTATGAAACA 1429	10	GTGTAGGCCACGCTGGACTG 14	1 MetGlyTrpLeuCysSerGlyLeuLeu9	GGTGTGATGCTG	09-896-522-1 (1-1624) x US-09-488-725A-1897 (1-825)	Iment Scores: 6.73	A SANCE OF THE PROPERTY OF THE	1557AAAGGCAGAGAAGC 1570
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955 GAGACCTGCCCTGAGGCTC	rLeuGluProSerLeuArgIleAlaAlaSerThrLeuLysSerGlyIleSerTyrArgAl	1215GCCTCCCAGGCTTCCTGCACATTCTGTGCATTTCTCAGTGACGCATC 1162 1215GCTCCCAGGCTTCCTGCACATTCTGTGCATTTCTCAGTGACGCATC 1162 1215GCTCCCAGGCTTCCTGCACATTCTGTGCATTTCTCAGTGACGCTAGAGGATC 1162 1101 LeuTrpAlaGlyGlnGlnLeuLeuTrp	hrAsmCysSerThrGluLeuArgLeuLeuTyrGlnLeuValPheLeuLeuSerG AGGCCAGCCAGTGTCTA
575 yrGlnGluPheValHisAlaValGluGlnGlyGlyThrGlnAlaSerAlaValValGlyL 345	197 rargserPheserAsinSeiLeusergin	LeuPheLeuAspLeuLeuGlyGluGluAsCTGCTCCAGGTCCCTCCC SerCysLeuLeuProProSerGl SerCysLeuLeuProProSerGl	Qy 697 TCGGCAGGCAGAACTCCTCGAA

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Percent Similarity:
Best Local Similarity:
Query Match:
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CURRENT APPLICATION NUMBER: US/09/488,725A
CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: US/09/488,725
PRIOR APPLICATION NUMBER: US/09/488,725
PRIOR APPLICATION NUMBER: US/09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: US/09/598,042
PRIOR APPLICATION NUMBER: US/09/620,312
PRIOR APPLICATION NUMBER: US/09/620,312
PRIOR APPLICATION NUMBER: US/09/620,312
PRIOR PILING DATE: 2000-06-20
PRIOR PILING DATE: 2000-06-20
PRIOR PILING DATE: 2000-06-20
PRIOR PILING DATE: 2000-07-19
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SEQ ID NO 3367
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GENERAL INFORMATION:
APPLICANT: Hyseq Inc
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                                                                                                                                                                                                                                                                    PRIOR APPLICATION NUMBER: US09/727,344 PRIOR FILING DATE: 2000-11-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: Novel Nucleic Acid and FILE REFERENCE: 784FLPCT
                                                                                                                                                                ORGANISM: Homo sapiens
                                                                                                                                                                                                    ENGTH:
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FILING DATE: 2000-08-31
APPLICATION NUMBER: US09/662,191
FILING DATE: 2000-09-14
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APPLICATION NUMBER: US09/693,036
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RESULT 41 US-09-488-725A-2639 ; Sequence 2639, Application US/09488725A ; GENERAL INFORMATION: ; APPLICANT: Hyseq Inc ; TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides ; FILE REFERENCE: 794FLPCT ; CURRENT APPLICATION NUMBER: US/09/488,725A ; CURRENT FILING DATE: 2000-12-22			Db 1244 rAlaSerSerAlaProAspSerMetSerGluSerGlyAlaAlaSerProGlyAlaArgTh 1264 Qy 1450 1450 Db 1264 rArgSerLeuLysSerProLysLysArgAlaThrGlyLeuGlnArgArgArgLeuIlePr 1284 Oy 1451	Qy 1438 ACACAAGGCTGGT	Qy 1402 TTACATGTCCTCAT	1282 GATGITITGI GAMAGUSANA CHANGISGIANG GANGAGAGI I I I COGNICA CHANGISGI GANGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGA		Db 1107 rgAlaAlaProArgAlaGlyProSerVaIGLYALAGLYSALAGLYArgGLY 1123 Qy 1108 ACACTGACAGGCGTTCCTGAGGTTTTCAGCCACTTAGGCTCGTTGCGGTTTAAAGATCCC 1167	

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PRIOR APPLICATION NUMBER: US09/620,312
PRIOR APPLICATION NUMBER: US09/653,450
PRIOR APPLICATION NUMBER: US09/653,450
PRIOR FILING DATE: 2000-08-31
PRIOR APPLICATION NUMBER: US09/662,191
PRIOR APPLICATION NUMBER: US09/693,036
PRIOR APPLICATION NUMBER: US09/693,036
PRIOR FILING DATE: 2000-10-19
PRIOR APPLICATION NUMBER: US09/727,344
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ORGANISM: Homo sapiens
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                                                             lyArgLeuGluValArgPheGInGlyGluTrp--GlyThrIle-----CysAspAspGl
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                                                                                                           CCAGGG-----
                                            ---TGGTCCCCTGGCTCAGAAA 848
                                                                                                                                                                                                                                                                                                                                                                                                                                -----AAATGTGACCGTTTGC
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293	4GGACCTTGTAGA	304
950		935
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935	sAlaMetSerIleProMetTrpValAspAsnVa	915
362	3AT	363
915		899
364	TCAGAGTCCTGTGCATCAAATCATTAT	397
898	9 AlaTrpGlyThrValGlyLysSerSerMetSerGluThrThrValGlyValValCysArg	879
398		403
878	⊳	863
404	AGGTCGGCACCTCCACCGTTTTGCC	436
862	3 HisLysGluAspAlaGlyValIleCysSerGluPheMetSerLeuArgLeuThrSerGlu	843
437	7	437
842		826
437		468
826	 sPheGlyGluGlyThrGlyProIleTrpLeuAspGluMetLysCysAsnGlyLysGlu	806
469		475
806	1сув	789
476		513
789	::: 	769
514		517
769	 GlyGlnLeuArgLeuValAsnGlyGlyGlyArgCysAlaGlyArg-ValGluIleTyrHi	750
518	GGC	559
749		735
560		619
735	${\tt SerGlyAsnGlnSerGlnThrLeuSerSerCysAsn}$	716
620		640
715	${\tt ProValThrAlaLeuGlyAlaSerLeuCysProSerGluGlnValAlaSerVal}$	696
641		641
695	eTrpArgHisMetPheHisCysThrGlyThrGluGlnHisMetGly	678
641	TCACGAAGGTGG	667
678	GTGGGATGATCACATCGGCATACTTCTTTGTCGGCAGGCA	727 667
	renniar Ap Gt) votuto	U
728 667	TCAGAATGTCCTGGATGTGCTGCACGATCAGGTTGATGGCAACCATATTGTCCACTCCTC	787
656	SerLeuCysAsnSerHisTrpAspIleGluAspAlaHisValLeuCysGlnGln	639
788	AGGTCCGCTTGTAGCTCCGCCCATTGGACCCTCCTCGGTGCCATTTGCAGATGTCACCAT	847

		Ñ	RESULT 42
luProHis 1154	GlyHisSerGluProHis	1149	Db
GACCCCAC 1	CCGCCCTTCCCGGGGCGCGCGCGCCCAGCCCAGGGTCGGAGGCGACGCAC	58	8
 	::: uMetAsnSerCysLeuAsnAlaAspAspLeuAspLeuMetAsnSerSerGly 11/	1131	뮹
GTCCCCGCGC 59		75	Ş.
lnTyrArgGl 1131		1111	В
76		100	8
rgArgGlnAr 1111		1091	Вb
CGCCG 101	CTCGCAGTCTTCGCCTCCCGCCG	123	Ş
lyIleLeuGl 1091		1072	DЬ
124	TGCGGACGGTCGGCCCCGGCGCGGGGCT	152	Ş
ThrProGlnL 1072	lyHisLysGluAspAlaAlaValAsnCysThrAspIleSerValGlnLysThrProGlnL	1052	DЬ
153		153	δ
SerGluCysG 1052		1038	Дb
153	CGCTGGCAGTGCCGCTCACCCCTATCAGGAAGGGCCGGCTGG	196	δ
-Gluserser 1037	rpLeuAsnGluValLysCysLysGlyAsnGluSerSer	1025	Db
GTCGACTTCC 197	TGTCCCAGCAACTCCATGATCTTCTCACACACG	239	γ
GlyProIleT 1025	${\tt ysGlyProAlaLeuLysAlaPheLysGluAlaGluPheGlyGlnGlyThrGlyProIleT}$	1005	망
240		240	γŞ
GlnLeuGlyC 1005	CysAspAspSerTrpAspLeuAspAspAlaGlnValValCysGln	987	Дb
240	GCCGCTGTTCCACCTCGTTC	259	γŞ
Val 986	serCysSerGlyArgValGluIleTrpHisGlyGlySerTrpGlyThr	970	В
ACCACCTTCCGCT 260	ACCTGTCCTGGCTCAGGATGACCACCTTCCGCT	292	δλ
 ProThr 969	SerGluGluThrTrpIleThrCysAspAsnLysIleArgLeuGlnGluGlyProThr	951	Db

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RESULT 42
US-09-488-725A-3157

Sequence 3157, Application US/09488725A

GENERAL INFORMATION:
APPLICANT: Hyseq Inc
ITILE OF INVENTION: Novel Nucleic Acid and Polypeptides
FILE REFERENCE: 788FLPCT
CURRENT APPLICATION NUMBER: US/09/488,725A
CURRENT FILING DATE: 2000-01-2-2
PRIOR APPLICATION NUMBER: US/99/488,725
PRIOR APPLICATION NUMBER: US/99/488,725
PRIOR APPLICATION NUMBER: US/99/59,042
PRIOR APPLICATION NUMBER: US/99/59,042
PRIOR FILING DATE: 2000-06-20
PRIOR FILING DATE: 2000-06-20
PRIOR APPLICATION NUMBER: US/99/59,042
PRIOR APPLICATION NUMBER: US/99/59,042
PRIOR FILING DATE: 2000-07-19
PRIOR APPLICATION NUMBER: US/99/62,312
PRIOR APPLICATION NUMBER: US/99/62,312
PRIOR APPLICATION NUMBER: US/99/62,319
PRIOR APPLICATION NUMBER: US/99/62,39
PRIOR APPLICATION NUMBER: US/99/62,39
PRIOR APPLICATION NUMBER: US/99/62,39
PRIOR APPLICATION NUMBER: US/99/62,39
PRIOR APPLICATION NUMBER: US/99/62,39
PRIOR APPLICATION NUMBER: US/99/62,39
PRIOR APPLICATION NUMBER: US/99/62,39
PRIOR FILING DATE: 2000-10-19
PRIOR FILING DATE: 2000-10-19
PRIOR FILING DATE: 2000-10-19
PRIOR FILING DATE: 2000-11-29
NUMBER OF SEQ ID NOS: 7144

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; SOFTWARE: pt_FL_genes_b Versions 1.0; SEQ ID NO 3157; LENGTH: 1079; TYPE: PRT; ORGANISM: Homo sapiens US-09-488-725A-3157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match:
DB:
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Best Local Similarity:
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           307 ProGlyLeuSerGlyGluLysGlySerProGlyGlnLysGlySerArgGlyLeuAspGly 326
                                                                                                                                                                                                                                                                                                                                                                                                                                           182 yrArgGlyGluProGlyGluProGlyLeuValGlyPheGlnGlyProProGlyArgProG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        161
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             142 GlyAspSerGlyProGlnGlyProProGlySerGlu---GlyPheThrGlyProProGly 160
                                                                                                                                                                                                                                                           240 GlyGluLysGlyAspVal------GlyGlnPro------Gly------
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100 GlyPro----LysGlyAspValGlyAlaArgGlyValSerGlyPheProGlyAlaAsp-- 117
                                                                                                                                                                                                                      ValThrPheHisProAspGlnTyrLysGlyGluLysGlySerGluGlyGluProGlyIle 286
                                                                                                                                                                                                                                                                                                                                                                                lyHisValGlyGlnMetGlyProValGlyAlaProGlyArgProGlyProProGlyProP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         uProTyrAlaLeuProLys------Glu-----Glu-----GluArgAspArgT 182
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     G---TACTTGTTCACAAAACTTTTGAGTTATGTGTGTGAGTGTGTAAGAACCAGAT---- 1333
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      -----CCACTGGGTCATGAAATTAGGTTTTGTAGGCCACAACCAG 1446
                                                                       ArgGlyIleSerLeuLysGlyGluGluGlyIleMetGlyPheProGlyLeuArgGlyTyr 306
                                                                                                                                                                                              ----ProAsnGlyIlePro----SerAspThrLeuHisProIleIleAlaProThrGly 266
                                                                                                                                                                                                                                                                                                                       roGlyProLysGlyGlnGlnGlyAsnArgGlyLeu-----GlyPheTyrGlyValLys 239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         -----ProArg-GlyArgPro-------GlyTyrAspGly-CysAsnGlyThrGln 141
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pro------GlnGlyProLys----Gly------GlnLysGlyGl 170
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       --Gly-IleProGlyHisPro-------Gly-----Gly-----GlnGlyGly--
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435.60
18.72%
15.54%
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                                                                                                                                                                                                                                                                                                                                501 oLysGlyPheAlaGlyIleAsnGlyGluProGlyArgLysGlyAspLysGlyAspProGl 521
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                         pGlyIleLysGlyProProGlyAspProGlyTyrProGlyIleProGlyThrLysGlyTh
                                                                                                                                                                                                           oGlyProLys---GlyAlaLys---GlyAsp----SerArg-ThrileThrThrLys--G
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                                                                                     pGlySerProGlyArgAspGlyLeuAspGlyPheProGlyLeuProGlyProProGlyAs
                                                                                                                                              || |----GluArgGlyGlnProGlyVal---ProGlyValProGlyMetLysGlyAspAs
                                                                                                                                                                              eretccaceaagagececaegtegaacatetcccegatctcctegctetaga-----
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                                                                                                                                                                                                                                                                       yGlnHisGlyLeuProGlyPheProGlyLeuLysGlyValProGlyAsnIleGlyAlaPr 541
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                                                       ----ACACCAAGATGCCCTCAAACAGAA-----
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RESULT 43
US-09-488-725A-2372
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GENERAL INFORMATION:
APPLICANT: Hyseq Inc
TITLE OF INVENTION: Novel Nucleic Acid and
FILE REFERENCE: 784FLPCT
CURRENT APPLICATION NUMBER: US/09/488,725A
CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: US/09/488,725
PRIOR FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: US09/598,042
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PRIOR APPLICATION NUMBER: US09/653,450
PRIOR FILING DATE: 2000-07-19
PRIOR PILLING DATE: 2000-08-31
PRIOR FILING DATE: 2000-09-14
PRIOR FILING DATE: 2000-09-14
PRIOR FILING DATE: 2000-10-19
PRIOR FILING DATE: 2000-10-19
PRIOR FILING DATE: 2000-11-9
PRIOR FILING DATE: 2000-11-9
PRIOR FILING DATE: 2000-11-9
NUMBER OF SEQ ID NOS: 7144
SOFTWARE: pt FL Genes_b Versions 1.0
SEQ ID NO 2372
LENGTH: 988
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Best Local Similarity:
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                            SerGluGlnGluAlaGlySerProProValValGluThrThrAsnThrArgProProAsn 478
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                                                                                                            ValSerArgAsnSerProLeuAspCysGlySerAlaSerProAsnLysValAlaSerSer 458
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5 A	536 ThrAlaProValThrTyrProMet	ř
Q	1100 AGTTGAGTCTGAGTGACACATCTGAGTTTCCACTCCTGAGTGAG	₹
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76	SerSerThrGluAsnAsnGlyProGlnThrValTrpThrGlyProTrpAlaPro 976	959	ДЪ
Ļ	GCCTCCGCTCCGCGCATCGGGTCCCCGCGCCCCTTCCCCGGGCCCGGCGCGCCCCCC	89	Ş
958	ePheAsnGlyProHisAlaAlaAspProSerTrpAsnSerLeuIleLysMetValSer	939	Db
90	GGCGCGGGGCTCTCGCAGTCTTCGCCTCCCGCCGAAGCCATCTCG	134	Ś
939	AlaMetIleProProValAlaProIleProAspGly-AlaGlyGlyProIl 939	923	당
135	CTGGCAGTGCCGCCCCACCCCTATCAGGAAGGGCCGCTGGTGCGGACGGTCGGCCTCC	194	Ś
922	GlyTyrMetAspPheProLysValGlyGlyMetProPheSerValTyrGlyAsn 922	905	망
195	TTCTCACACAGGTCGACTTCCCG	218	Ş
904	yIleValThrProSerGlyThrPheHisGlnHisValProAla 904	890	망
219	CTTCCGCTGCCGCTGTTCCACCTCGTTCTGTCCCAGCAACTCCATGATC	268	Ş
068	gProMetSerAspProGlyValPheSerGlnHisGlnAlaMetGluArgAspSerThrGl 890	870	В
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870	snGlnAspLysValAspTrpCysAsnProGlyMetGlyAsnProMetIleHisAr	852	ᅜ
269	GTCAGGACCTTGTAGAACCTGTCCTGGCTCAGGATGACCA	308	Ś
852	erGlyIleTrpGlyA	841	뮹
309	AAGGCATCTGGATGGTCAAAATTGTACTGTCCTTTCAAGGCCTTGGCCTTCTGCCTCTGCC 309	368	Ş
841	aProSerValIleGlySerAsnLeuSerThrSerValGlyHisS	826	Db
369	ACCTCCACCGTTTTGCCCTCCACGATGTTCTTCAGAGTCCTGTGCATCAATCA	428	Ş
826	eValProValProIleGlyThrGluArgSerAlaArgIleArgGlnThrGlyThrSerAl	806	ర్జ
429	GTCGGC	434	S
806	oAlaProSerSerValProLeuGlySerGluLysProSerAsnValSerGlnAspArgLy	786	당
435	ACGTCCGCAGGGTAGACCACCGTGGTCTCTGGTAACCTTGAGTGTGTCACAAAATCATAG	494	ş
786	pSerSerAlaGlnSerValSerSerGlyValArgAlaProSerPr 786	771	дb

RESULT 44

US-09-488-725A-5944

US-09-488-725A, Application US/09488725A

¡Sequence 5944, Application US/09488725A

¡GENERAL INFORMATION:

APPLICANT: Hyseq Inc

ITILE OF INVENTION NOVEL Nucleic Acid and Polypeptides

FILE REFERENCE: 784FLPCT

CURRENT APPLICATION NUMBER: US/09/488,725A

CURRENT FILING DATE: 2000-01-21

PRIOR APPLICATION NUMBER: US/99/488,725

PRIOR APPLICATION NUMBER: US/99/488,725

PRIOR APPLICATION NUMBER: US/99/552,317

PRIOR APPLICATION NUMBER: US/99/552,317

PRIOR APPLICATION NUMBER: US/99/552,317

PRIOR APPLICATION NUMBER: US/99/552,317

PRIOR APPLICATION NUMBER: US/99/552,317

PRIOR APPLICATION NUMBER: US/99/552,317

PRIOR APPLICATION NUMBER: US/99/552,317

PRIOR APPLICATION NUMBER: US/99/53,450

PRIOR APPLICATION NUMBER: US/99/653,450

PRIOR APPLICATION NUMBER: US/99/653,450

PRIOR FILING DATE: 2000-08-31

PRIOR APPLICATION NUMBER: US/99/653,450

PRIOR FILING DATE: 2000-09-14

PRIOR FILING DATE: 2000-09-14

PRIOR APPLICATION NUMBER: US/99/63,036

PRIOR APPLICATION NUMBER: US/99/63,036

PRIOR FILING DATE: 2000-09-14

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PRIOR FILING DATE: 2000-01-19

PRIOR APPLICATION NUMBER: US/99/63,036

PRIOR APPLICATION NUMBER: US/99/63,036

PRIOR FILING DATE: 2000-11-29

PRIOR FILING DATE: 2000-01-19

QY 1139TGGCTGAAAAACCTCAGGAACGCCTGTCAGTGTCCCAGCA 1101	Qy 1166 GGATCTTTAAACCGCAACGAGCCTAAG	99CACATTCTGTGGCATTTCTCAGTGACCTAGAG	Qy 1200 1200 Db 558 SerGluGlnGluAlaGlySerProProValValGluThrThrAsnThrArgProProAsn 577	QY 1200 1200 Db 538 ValSerArgAsnSerProLeuAspCysGlySerAlaSerProAsnLysValAlaSerSer 557	Oy 1253 CAATTTCCCCAATAATGTGCCTCACATTCCTCACAGAAGCCTCCCAGGCTTCCT 1200 :::: :::	OY 1313 TCCCACTGTGGGTTCACTGTCAACAAAACATCAGGCCAGCCA	Qy 1373 AAAACTTTTGAGTTATGTGTGTGAGTGTGTAAGAACCAGATCAGACTGGAAAAAACTCTC 1314 L ::: ::: Db 502 8nAsn-:	Oy 1427AAAACAGAAAACATGAGGACATGTAACATGTAAAAAAGGAAAGTACTTGTTCAC 1374	1475 CATGAAATTAGGTTTGTAGGCCACAACCAGCCTTGTGTTATGAAACAG	Qy 14941476 Db 451 erProThrThrThrSerSerSerAlaSerThrValProGlyThrSerThrAsnGlyS 471	1502 GCCACGCT	CTCAGTGGCTC ::: CDLysP	Oy 1619 CCCGCACAAGCCTGGGTGTGATGCTGCGTTCCAGGGCATCCGCCTCCTCTCTT 1563	1 Gaps: 17 896-522-1 (1-1624) x US-09-488-725A-5944 (1-1086)	ed. No.: 17 ore: 435.30 rcent Similarity: 23.04% st Local Similarity: 16.56% ery Match: 14.54%	S-	; SOFTWARE: pt_FL_genes_b Versions 1.0 ; SEQ ID NO 5944 ; LENGTH: 1088 ; TYPE: PRT
Qy 434 G	494 ACGTCCGCAGGGTAGACCACCGTGGTCACCTTUAGTGTGTCACAAAATCATAG	529	850 eAsnArgGlnHisPheSerProLeuSerLeuLeuThrProCysSerSerAlaSerAsnAs	831 530	Qy 614 ACGTCCCGGAGAACTCTTCGAGACAGCCTGACGTCGGAGTCGGTCTCCACGAAGAGGCGC 555 :::	Db 801 rProSerGlyIleValAsnMetAspSerProTyrGlySerValThrProSer-SerThrH 821	783SerAspThrSerLysAlaProGlyPheArgProProLeuGlnArgProAlaProSe	Qy 713TCGGCATACTTCTTTGTCGGCAGGAACTCCTCGAAGGCCGGCTTCACGAAGGTG 657 ::: Db 770 LysSerSerTyrLeuProAsnSerAspPro-LeuHisGln 782	GCAACCATATTGTCCACTCCTCGTGGGATGATCACA		851 GAAAAGGTCGCTTGTAGCTCCGCCATTGGACCCTCCTCGG			667 899	Qy 980 GTCCCTGAACACACATGCCGGGCGGGAAACCTGCCCTGAGGCCCCTCAGTGG 921 Db 657 luThrProAlaIleArgProProProHisG 667 Qy 920 GGTCTGCTGCTGCAAAT	Qy 1040 ACACTCCCCTGGGGTGCGCCGAGAGCAGTGGGTGGGTGGG	

Alignment Scores: 55.5 Length: 1672 Pred. No.: 435.30 Matches: 207 Percent Similarity: 18.47% Conservative: 46 Best Local Similarity: 15.11% Mismatches: 137	; SEQ ID NO 2222 ; LENGTH: 1673 ; TYPE: PRT ; ORGANISM: Homo sapiens ; ORGANISM: Homo sapiens US-09-488-725A-2222	IOR APPLICATION NOT THE PROPERTY OF SEQ ID NOT SEQ ID NOT SEQ ID NOT TWARE: pt_FL_ger	; PRIOR FILING DATE: 2000-08-31 ; PRIOR APPLICATION NUMBER: US09/662,191 ; PRIOR PILING DATE: 2000-09-14 ; PRIOR APPLICATION NUMBER: US09/693,036 • PRIOR APPLICATION NUMBER: US09/693,036	APPLICATION N APPLICATION N APPLICATION N	APPLICATION N APPLICATION N APPLICATION N	NT APPLICATION NAME OF THE PROPERTY OF THE PRO	C Novel No FLPCT	RESULT 45 US-09-488-725A-2222 '; Sequence 2222, Application US/09488725A ; GENERAL INFORMATION:	Db 1058 SerSer-ThroluAsnAsnGlyProdinThrValTrpThrolyProTrpAlaPro 1075	GCCTCCGCTCCCGCGCAATCGGGTCCCCGCGCCCCCTTCCCCGGGGCCCGCGCGCG	Qy 134 GGCGCGGGGCTCTCGCAGTCTTCGCCTCCCCGCCGAAGCCATCTCG 90		Db 1004GlyTyrMetAspPheProLysValGlyGlyMetProPheSerValTyrGlyAsn 1021 Qy 194 CTGGCAGTGCCGCTCACCCCTATCAGGAAGGGCCGCTGGTGCGGACGGTCGGCCTCC 135	Qy 218 TICTCACACACGGTCGACTTCCCG	Qy 268CCTTCCGCTGCCGCTGTTCCACCTCGTTCTGTCCCAGCAACTCCATGATC 219 ::: Db 989 yIleValThrProSerGlyThrPheHisGlnHisValProAla 1003	Db 969 gProMetSerAspProGlyValPheSerGlnHisGlnAlaMetGluArgAspSerThrGl 989	Qy 269 269	Qy 308 GTCAGGACCTTGTAGAACCTGTCCTGGCTCAGGATGACCA 269	 940 erGlyIleTrpGlyA	::: ::: ::: :::
Qy 1043 CTAACACTCCCCTGGGGTGCGCCGAGAGGAAGCAGTGGGTGTGGGTGG		Qy 1100 THAMACUGCAACGAGCTAAGIGGCTGAAACCTCAGGAACGCCTGTCAGTGTC 1107	. ب	1250 547	1252AA 527 sGlyGluProGlyGluPheTyrPheAspLeuArgLeuLysGlyAspLysGlyAspProGl	507 yValAlaGlyValProGlyArgGlnGlyThrProGlyLeuIleGlyGlnProGlyAlaLy	Db 487 ulleGlyPheProGlyGlnProGlyAlaLysGlyAspArgGlyLeuProGlyArgAspGl 507 Qy 1253 1253	Db 467 sLeuileCysAspIleAspGlyTyrArgGlyProProGlyProGlnGlyProProGlyGl 487 Qy 1253 1253	Qy 1259 TCTCCTC 1253		Db 440 lyAspGlnGly	1379 GTTCACAAAACTTTTGAGTT	Qy 1439 GTTATGAAACAGAAAACAGAAAACATGAGGACATGTAACATGTAAAAAAGGAAAGTACTT 1380	Db 418 erProGlyProProGly426	Db 404 odlyProSerdlyArgAspGlyLeuProdlyProProdlyS 418 Qy 1499 ACGCTGGACTGCAAACCACTGGGTCATGAAATTAGGTTTGTAGGCCACAACCAGCCTTGT 1440	Qy 1559 TTTANGGCACANGCANGGGGGGANANCATCCCTCAGTGGCTCCCCCATATCCGTGTNGGCC 1500	388 yGluArgGlyGluLysGlyAspArgGlyPheProGlyThrSerLeuPr	Db 371 GlyProProGlyLeuProValProGlyGlnAlaGlyAlaProGlyPheProGl 388 Qy 1600GATGCTGGGTGCTTCCAGGGCATCCGCCTTCTCTGCC 1560		Query Match: 14.54% Indels: 981 DB: 1 Gaps: 23 us-09-896-522-1 (1-1624) x US-09-488-725A-2222 (1-1672)

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sequence 2048, Ap

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Qy 14 CGACCTCGGCGCTGGGCGGGCGGGCCCGAT 73	RESULT 1. US-09-516-448-2048 ; Sequence 2048, Application US/09516448 ; GENERAL INFORMATION: APPLICANT: Robison, Keith E. TITLE OF INVENTION: Novel Nucleic Acid and Protein Homologs FILE REFERENCE: 5800-119 ; CURRENT APPLICATION NUMBER: US/09/516,448 ; CURRENT FILING DATE: 2000-02-29 ; NUMBER OF SEQ ID NOS: 2050 ; SOFTWARE: FastSEQ for Windows Version 3.0 ; SEQ ID NO 2048 ; LENGTH: 1648 ; TYPE: DNA ; ORGANISM: Homo sapiens ; FEATURE: ; NAMEKEY: misc feature ; LOCATION: (1) (1648) ; OTHER INFORMATION: n = A,T,C or G US-09-516-448-2048 Ouery Match Best Local Similarity 99.6%; Pred. No. 6.5e-310; Matches 1605; Conservative 0; Mismatches 6; Indels 1; Gaps 1:	29 35.8 2.2 1390 1 US-09-488-725B-8488 Sequence 8488, Ap C 30 35.8 2.2 2130 1 US-09-488-725B-3307 Sequence 3307, Ap 31 35.8 2.2 8872 1 US-09-488-725B-268 Sequence 2290, Ap C 32 35.6999 2.2 2432 1 US-09-488-725B-2690 Sequence 3659, Ap 33 35.6 2.2 1917 1 US-09-488-725B-2990 Sequence 3659, Ap 35.4 2.2 473 4 US-09-235-076-5020 Sequence 5020, Ap 35.4 2.2 489 4 US-09-235-076-20462 Sequence 5020, Ap 36 35.2 2.7 752 3 US-09-516-448-1912 Sequence 1912, Ap C 37 35.1 2.2 4038 1 US-09-488-725B-6421 Sequence 6421, Ap C 38 35 2.2 2494 3 US-09-488-725B-3431 Sequence 1912, Ap C 39 35 2.2 3239 1 US-09-488-725B-3431 Sequence 1914, Ap C 41 34.8 2.1 4308 1 US-09-488-725B-3630 Sequence 6580, Ap C 42 34.8 2.1 1404 1 US-09-488-725B-6580 Sequence 3800, Ap C 43 34.6 2.1 1404 1 US-09-488-725B-6580 Sequence 3800, Ap C 44 34.4 2.1 2026 1 US-09-488-725B-5690 Sequence 3800, Ap C 45 34.4 2.1 3043 1 US-09-488-725B-5690 Sequence 3800, Ap C 46 34.4 2.1 3043 1 US-09-488-725B-5690 Sequence 36580, Ap C 47 34.8 2.1 1404 1 US-09-488-725B-5690 Sequence 36580, Ap C 48 34.4 2.1 3043 1 US-09-488-725B-5690 Sequence 5750, Ap C 49 34.4 2.1 3043 1 US-09-488-725B-5404 Sequence 5750, Ap C 49 34.8 2.1 1404 1 US-09-488-725B-5404 Sequence 5750, Ap C 49 34.8 2.1 1404 1 US-09-488-725B-5404 Sequence 5750, Ap C 49 34.4 2.1 3043 1 US-09-488-725B-5404 Sequence 5750, Ap C 49 34.4 2.1 3043 1 US-09-488-725B-5404 Sequence 5750, Ap C 49 34.4 2.1 3043 1 US-09-488-725B-5404 Sequence 5750, Ap C 49 34.8 2.1 1404 1 US-09-488-725B-5404 Sequence 5750, Ap C 49 34.4 2.1 3043 1 US-09-488-725B-5404 Sequence 5750, Ap C 49 34.8 2.1 1404 1 US-09-488-725B-5404 Sequence 5750, Ap C 49 34.8 2.1 1404 1 US-09-488-725B-5404 Sequence 5750, Ap C 49 34.8 2.1 1404 1 US-09-488-725B-5404 Sequence 5750, Ap C 49 34.8 2.1 1404 1 US-09-488-725B-5404 Sequence 5750, Ap C 49 34.4 2.1 3043 1 US-09-488-725B-5404 Sequence 5750, Ap C 49 34.4 2.1 3043 1 US-09-488-725B-5404 Sequence 5750, Ap C 49 34.4 2.1 3043 1 US-09-488-725B-5404 Sequence 5750,

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FILE REFERENCE: 784
CURRENT FILING DATE: 1980-01-21
PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR APPLICATION NUMBER: US 09/034,341
PRIOR APPLICATION NUMBER: US 09/034,341
PRIOR APPLICATION NUMBER: US 09/034,341
PRIOR FILING DATE: 1998-02-13
PRIOR PRILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR FILING DATE: 1999-05-26
PRIOR FILING DATE: 1999-05-26
PRIOR FILING DATE: 1999-05-26
PRIOR APPLICATION NUMBER: US 09/31,598
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: US 09/170,294
PRIOR APPLICATION NUMBER: US 09/179,473
PRIOR FILING DATE: 1998-10-27
PRIOR PRILING DATE: 1998-10-27
PRIOR APPLICATION NUMBER: US 09/179,473
PRIOR APPLICATION NUMBER: US 09/235,076
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PRIOR PILING DATE: 1999
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| IOCATION: (110]...(891)
| OTHER INFORMATION: similar to gi471981 in the genepept database release
| OTHER INFORMATION: Run with FASTXY 3.3000, default parameters
| US-09-488-725B-7130
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APPLICANT: Chenghua Liu
APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: From Various Libraries
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APPLICANT: John Tillinghast
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LOCATION: (1)...(2153)
OTHER INFORMATION: n =
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                                  CGCCGGGCCCGGGGCGGCGGCGGGGGATGCCGCGGGGAGCCGAGGCCGAGAT
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GECTTCGGCGGGAGGCGAAGACTGCGAGAGCCCCGCGCGCGAGGCCGACCGTCCGCACCA.120
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Pred. No. 8.9e-309;
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                  ACTGAGAAATGCCACAGAATGTGCAGGAAGCCTGGGGAGGCTTCTGTGAGGAATGTGAGGC
                                                                               AGGCGTTCCTGAGGTTTTCAGCCACTTAGGCTCGTTGCGGTTTAAAGATCCCTCTAGGTC
                                                                                                                           CCTCACTCAGGAGTGGAAACTCAGATGTGTCACTCAGACTCAACTTGCTGGGACACTGAC
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Sequence 1, Application US/09536647

Patent No. 6579708

GENERAL INFORMATION:

APPLICANT: Ho, Yen Sen
APPLICANT: Johnson, Randall

TITLE OF INVENTION: No. 6579708el Human Uridine Kir
FILE REFERENCE: GP50020

CURRENT APPLICATION NUMBER: US/09/536,647

CURRENT FILING DATE: 2000-03-27

NUMBER OF SEQ ID NOS: 3

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO 1

LENGTH: 834

TYPE: DNA

ORGANISM: Human

FEATURE:

NAMEKEY: CDS

LOCATION: (1)...(780)

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Best Local Similarity
Matches 833; Conserv
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Pred. No. 2e-158;
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FILE REFERENCE: 20411-756
CURRENT APPLICATION NUMBER: US/09/235,076
CURRENT FILING DATE: 1999-01-20
NUMBER OF SEQ ID NOS: 38054
SOFTWARE: FASESEQ for Windows Version 3.0
SEQ ID NO 30379
LENGTH: 472
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(472)
OTHER INFORMATION: n = A,T,C or G
US-09-235-076-30379
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                                                                                                               Matches 437; Conservative
                                                                                                                                            Query Match
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TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
TITLE OF INVENTION: PROM VARIOUS CONA LIBRARIES
                                                                                                                              Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        874
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                                                                      GAGCGGCGCACTGCCAGCGGGAAGTCGACCGTGTGTGAGAAGATCATGGAGTTGCTGGG
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                           ACAGAACGAGGTGGAACAGCGGCAGCGGAAGGTGGTCATCCTGAGCCAGGACAGGTTCTA 296
                                                                                                                             26.7%;
98.2%;
                                                                                                              Score 432.8; DB 4
Pred. No. 1.1e-78;
0; Mismatches 8
                                                                                                                                         DB 4;
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                                                                                                                                          Length
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RESULT 5
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; Sequence 220, Application
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APPLICANT: Craig Rosen,
APPLICANT: Steve Ruben
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SEQ ID NO 220
LENGTH: 1310
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                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: Human Prostate Cancer Associated Gene Sequences and Polypeptides FILE REFERENCE: PA101PCT CURRENT APPLICATION NUMBER: PCT/US00/05988 CURRENT FILING DATE: 2000-03-08 EARLIER APPLICATION NUMBER: 60/124,270 EARLIER APPLICATION NUMBER: 60/124,270 EARLIER FILING DATE: 1999-03-12 NUMBER OF SEQ ID NOS: 1890
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CGGAGCAGAAGGCCAAAGCCCTGAAGGSCCAGTTCAACTTTGACCACCCGGATGCCTTTG
                             CAGAGCAGAAGGCCAAGGCCTTGAAAGGACAGTACAATTTTGACCATCCAGATGCCTTTG 370
                                                                                               AACAGCGGCAGCGGAAGGTGGTCATCCTGAGCCAGGACAGGTTCTACAAGGTCCTGACGG 310
                                                                                                                                                                 CCAGCGGGAAGTCGACCGTGTGTGAGAAGATCATGGAGTTGCTGGGACAGAACGAGGTGG
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                                                                                                                                  CTAGCGGCAAGTCTTCCGTGTGTGCTAAGATCGTGCAGCTCCTGGGGCAGAATGAGGTGG
                                                                 ACTATCGCCAGAAGCAGGTGGTCATCCTGAGCCAGGATAGCTTCTACCGTGTCCTTACCT
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Pred. No. 2.8e-66;
1; Mismatches 244; I
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RESULT 6
US-09-488-725B-6367/c
US-09-488-725B-6367/c
; Sequence 6367, Application US/09488725B
GENERAL INFORMATION:
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                                                                                                                        PRIOR FILING DATE: 1999-05-26
PRIOR APPLICATION NUMBER: US 09/131,598
PRIOR APPLICATION NUMBER: US 09/170,294
PRIOR APPLICATION NUMBER: US 09/170,294
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: US 09/179,473
PRIOR FILING DATE: 1998-10-27
PRIOR FILING DATE: 1998-10-28
PRIOR FILING DATE: 1998-10-28
PRIOR FILING DATE: 1998-10-28
PRIOR APPLICATION NUMBER: US 09/235,076
PRIOR APPLICATION NUMBER: US 09/234,611
PRIOR APPLICATION NUMBER: US 09/234,611
PRIOR APPLICATION NUMBER: US 09/234,611
PRIOR APPLICATION NUMBER: US 09/234,611
PRIOR APPLICATION NUMBER: US 09/234,611
PRIOR APPLICATION NUMBER: US 09/234,611
PRIOR FILING DATE: 1999-01-22
                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION NUMBER: US/09/488,725B
CURRENT FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR FILING DATE: 1998-01-07
PRIOR APPLICATION NUMBER: US 09/034,341
PRIOR APPLICATION NUMBER: US 09/034,341
PRIOR FILING DATE: 1998-02-13
PRIOR APPLICATION NUMBER: US 09/045,400
PRIOR APPLICATION NUMBER: US 09/045,400
PRIOR APPLICATION NUMBER: US 09/045,400
PRIOR APPLICATION NUMBER: US 09/045,400
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR APPLICATION NUMBER: US 09/321,214
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                Remaining Prior Application data removed
NUMBER OF SEQ ID NOS: 10289
SOFTWARE: pt_CT_genes Version 1.01
SEQ ID NO 6367
LENGTH: 1316
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APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: From Various Libraries
FILE REFERENCE: 784
TYPE: DNA
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Best Local Similarity
Matches 520; Conser
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LOCATION: (1030)...(289)
OTHER INFORMATION: similar to gi471981 in the genepept database
OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
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Pred. No. 2.4e-49;
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RESULT 7
US-09-235-076-24042
| Sequence 24042, Application US/09235076
| GENERAL INFORMATION:

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APPLICANT: Hyseq, Inc.
TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
FILE REFERENCE: 20411-756
CURRENT APPLICATION NUMBER: US/09/235,076
CURRENT FILING DATE: 1999-01-20
NUMBER OF SEQ ID NOS: 38054
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 23923
LENGTH: 455
TYPE: DNA
RORANISM: Homo sapiens
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; LOCATION: (1)...(472)
; OTHER INFORMATION: n =
US-09-235-076-24042
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US-09-235-076-23923
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CURRENT FILING DATE: 1999-01-20
NUMBER OF SEQ ID NOS: 38054
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 24042
LENGTH: 472
                                                                                                                                                                                                                                                                                                   Sequence 23923, Application US/09235076 GENERAL INFORMATION:
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Best Local Similarity
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(455)
OTHER INFORMATION: n = A,T,C
-09-235-076-23923
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ORGANISM: Homo sapiens
FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 221; DB 4;
Pred. No. 2.1e-36;
                                                                                                                                                                                                                                                                                                                                                                                                                 472
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RESULT 9
US-09-235-076-9667/c
; Sequence 9667, Application US/09235076
; GENERAL INFORMATION:
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; LOCATION: (1)...(470)
; OTHER INFORMATION: n = A,T,C
US-09-235-076-9667
                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Hyseq, Inc.
TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
FILE REFERENCE: 20411-756
CURRENT FILING DATE: 199-01-20
RUMBER OF SEQ ID NOS: 38054
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 9667
LENGTH: 470
TYPE: DNA
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Best Local Similarity
Matches 271; Conserv
                                                                                                                                                                                                                                            Query Match 7.8%;
Best Local Similarity 57.3%;
Matches 246; Conservative
                                                                                                                                                                                                                                                                                                                                                                          FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     519
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   219 GATCATGGAGTTGCTGGGACAGAACGAGGTGGAACAGCGGCAGCGGCAGCGGAAGGTGGTCATCCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            159 GCCCTTCCTGATAGGGGTGAGCGGCGCACTGCCAGCGGGAAGTCGACCGTGTGTGAGAA
540 GGACATGTTCCACCTGCGCCTCTTCGTGGACACCGACTCCGACGTCAGGCTGTCTCGAAG
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                                                                         CTACCCTGCGGACGTGGTTCTGTTTGAGGGCATCTTGGTGTTCTACAGCCAGGAGATCCG 539
                                                                                                                                    GGTGGAGGTGCCGACCTATGATTTTGTGACACACTCAAGGTTACCAGAGACCACGGTGGT
                                                                                                                                                                                               AGATGCCTTTGATAATGATTTTGATGCACAGGACTCTGAAGAACATCGTGGAGGGCAAAAC 419
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GAGCCAGGACAGGTTCTACAAGGTCCTGACGGCAGAGCAGAAGGCCAAGGCCTTGAAAGG
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                                                                                                                                                                              AGATGCCTTTGACTTCGACCTCATCATTTCCACCCTCAAGAAGCTGAAGCAGGGGAAGAG
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                                                  GTATGGTGCAAACGTCATCATCTTTGAGGGCATCATGGCCTTTGCTGACAAGACACTGTT 291
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                                                                                                                                                                                                                                              Score 126.5; DB 4;
Pred. No. 1.5e-17;
0; Mismatches 180;
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Pred. No. 2.8e-34;
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Sequence 769, Application US/09488725B
GENERAL INFORMATION:
APPLICANT: Yuanhua T. Tang
APPLICANT: John Tillinghast
APPLICANT: Ankura Sinku
APPLICANT: Chenghua Liu
APPLICANT: Chenghua Liu
APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: From Various Libraries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-488-725B-769
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NAME/KEY: misc_feature
; LOCATION: (1)...(5771)
; OTHER INFORMATION: n = A,T,C
US-09-516-448-307
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US-09-516-448-307/c
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SEQ ID NO 307
LENGTH: 5771
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                       CURRENT APPLICATION NUMBER: US/09/488,725B
CURRENT FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US_09/004,182
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CURRENT FILING DATE: 2000-02-29
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TITLE OF INVENTION: Novel Nucleic Acid and Protein Homologs
FILE REPERENCE: 5800-119
                                                                                                                                           FILE REFERENCE: 784
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           5574
FILING DATE: 1998-01-07
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               717 GATCATCCCACGAGGAGTGGACAATATGGTTGCCATCAACCTGATCGTGCAGCACATCCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               230 GCTGCGCCGGGACATCAGTGAGCGCGGCCGGGACATCGAGGGTGTCATCAAGCAGTACAA 171
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          600 AGTTCTCCGGGACGTGCG---CCGAGGGAGGGACCTGGAGCAGATTCTGACGCAGTACAC 656
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NUMBER OF SEQ ID NOS: 10289
SOFTWARE: pt CT_genes Version 1.01
SEQ ID NO 769
                                                                                                                                                                                                                 Matches
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Best Local (
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PRIOR APPLICATION NUMBER: US 09/045,400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: US 09/034,341
                                                                                                                                                                                                                                                                                                                                      FEATURE:
NAME/KEY: misc_feature
LOCATION: (2)...(4975)
                                                                                                                                                                                                                                                                                                OTHER INFORMATION: similar to gi5689519 in the genepept database release 114, OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                             LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US 09/234,611
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                                  GAGAGCCCCGCGCCGGAGGCCGACCGTCCGCACC 154
                                                                                                        GCGGGGACCCGATGCGCGGGAGCGGAGGCCGAGATGGCTTCGGCGGGAGGCGAAGACTGC 120
                                                                                                                                         GTGCCCCCCGGCCCGTCACGGCAGCCGCCGGCCGAGGGGACCGGGCCAGGGCCAGGGC
                                                                                                                                                                            GGGCGCCCGGGTTGCGGGGGGCTCGCTCC 186
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Pred. No. 0.25;
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RESULT 12
US-09-488-725B-966
Sequence 966, Application US/09488725B
GENERAL INFORMATION:
APPLICANT: Yuanhua T. Tang
APPLICANT: Yuanhua T. Tang
APPLICANT: Ankura Sinku
APPLICANT: Ankura Sinku
APPLICANT: Chenghua Liu
APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Wovel Contigs Obtained
TITLE OF INVENTION: From Various Libraries
FILLE REFERENCE: 784
CURRENT APPLICATION NUMBER: US/09/488,725B
CURRENT FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR APPLICATION NUMBER: US 09/04,341
PRIOR FILING DATE: 1998-01-07
PRIOR APPLICATION NUMBER: US 09/034,341
PRIOR APPLICATION NUMBER: US 09/034,341
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US-09-488-725B-1107
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PRIOR APPLICATION NUMBER: US 09/179,473
PRIOR FILING DATE: 1998-10-27
PRIOR PELICATION NUMBER: US 09/181,430
PRIOR FILING DATE: 1998-10-28
PRIOR APPLICATION NUMBER: US 09/235,076
PRIOR APPLICATION NUMBER: US 09/234,611
PRIOR APPLICATION NUMBER: US 09/234,611
PRIOR FILING DATE: 1999-01-22
PRIOR FILING DATE: 1999-01-22
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NUMBER OF SEQ ID NOS: 10289
SOFTWARE: pt_CT_genes Version 1.01
SEQ ID NO 966
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CURRENT FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR FILING DATE: 1998-01-07
PRIOR APPLICATION NUMBER: US 09/034,341
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TYPE: DNA

ORGANISM: Homo sapiens

PEATURE:

NAME/KEY: misc_feature

LOCATION: (2)...(4975)

OTHER INFORMATION: similar to gi5689519 in the genepept database release

OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
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                                                                                                     APPLICATION NUMBER: US 09/179,473
FILING DATE: 1998-10-27
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                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US 09/321,214
FILING DATE: 1999-05-26
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US 09/034,341 FILING DATE: 1998-02-13
                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US 09/131,598
                                FILING DATE: 1998-10-28
                                                                         APPLICATION NUMBER: US 09/181,430
                                                                                                                                                                                                                                                                       FILING DATE: 1998-08-10
APPLICATION NUMBER: US
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Radoje T. Drmanac
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
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09/235,076
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Pred. No. 0.25;
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; LOCATION: (2)...(4975); OTHER INFORMATION: similar to gi5689519 in the genepept database release 114, OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters US-09-488-725B-1107
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PRIOR FILING DATE: 1999-01-22
Remaining Prior Application data removed
NUMBER OF SEQ ID NOS: 10289
SOFTWARE: pt CT_genes Version 1.01
SEQ ID NO 1107
LENGTH: 4975
                      Remaining Prior Application data removed
NUMBER OF SEQ ID NOS: 10289
SOFTWARE: pt_CT_genes Version 1.01
SEQ ID NO 2833
LENGTH: 4650
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GENERAL INFORMATION:
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CURRENT APPLICATION NUMBER: US/09/488,7258
CURRENT FILING DATE: 2000-01-21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR FILING DATE: 1998-01-07
PRIOR APPLICATION NUMBER: US 09/034,341
PRIOR FILING DATE: 1998-02-13
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APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: From Various Libraries
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APPLICANT: John Tillinghast
                                                                                                                                                                                                           PRIOR APPLICATION NUMBER: US PRIOR FILING DATE: 1999-01-22
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NAME/KEY: misc_feature
LOCATION: (2)...(4975)
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                                                                                                                                                                                                                                                                                   FILING DATE: 1998-10-28
APPLICATION NUMBER: US 09/235,076
FILING DATE: 1999-01-20
                                                                                                                                                                                                                                                     APPLICATION NUMBER: US 09/234,611
                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US 09/181,430
                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US 09/179,473 FILING DATE: 1998-10-27
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US 09/170,294
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 1999-05-26
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Pred. No. 0.25;
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GENERAL INFORMATION:
APPLICANT: Craig Rosen,
APPLICANT: Steve Ruben
FITTLE OF INVENTION: Human Prostate Cancer Associated Gene Sequences and Polypeptides
FILE REFERENCE: PA101PCT
CURRENT APPLICATION NUMBER: PCT/US00/05988
CURRENT FILING DATE: 2000-03-08
EARLIER APPLICATION NUMBER: 60/124,270
EARLIER FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 1890
SOFTWARE: Patentin Ver. 2.0
SEQ ID NOS: 1890
SOFTWARE: Patentin Ver. 2.0
FIGANISM: Homo sapiens
FEATURE:
PRATURE:
NAME/KEY: misc feature
LOCATION: (1294)
COTHER INFORMATION: n equals a,t,g, or c
PCT-US00-05988-682
RESULT 16
US-09-488-725B-901
; Sequence 901, Application US/09488725B
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US-09-488-725B-2833
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Matches 91;
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Best Local Similarity
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                                                                                                                                                     648 GCAGTACACCACCTTCGTGAA 668
                                                                                                                                                                                              856 GATCACCGGCAAGCTGGACATCCCYGAGCCGCGGCGGCCGGTGGTGGAGCAGGCCCTCTA 915
                                                                                                                                                                                                                                     736 GATCGAGATGGAGGACCAGCCAACGACGTGCACGAGGCCGGCATCCCCGTGCTGGACTA 795
                                                                                                                                                                                                                                                                                                                                                                                                468 GACCACGGIGGICTACCCIGCGGACGIGGITCIGIITGAGGGCAICIITGGIGITCIACAG 527
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  132 GCCGGAGGCCGACCGTCCGCACCAGCGGCCCTTCCTGATAGGGGTGAGCG 181
                                                                                                                                                                                                                                                                              796 CAAGACCTACACCGACCGCGTCTTCTTCCTGCCCTCCAAGGACGGCGACAAGGACGTGAT 855
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  72 ATGCGCGGGAGCCGAGATGGCTTCGGCGGGAGGCGAAGACTGCGAGAGCCCCGC 131
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                                                                                                              CCAGTTCTCCAACCTGCTGAA 936
                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                         2.5%; Score 40.6; DB 5; Length 1
49.8%; Pred. No. 2.1;
ative 1; Mismatches 100; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2.7%; Score 43.6; DB 1; 53.5%; Pred. No. 0.53;
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CLANT: ADDATE: JOHN ICANT: Chenghua Liu ICANTION NUMBER: US 09/044, 400 ICANTION NUMBER: US 09/045, 400 ICANTING DATE: 1998-03-20 ICANTING DATE: 1998-03-20 ICANTING DATE: 1998-08-10 ICANTING DATE: 1998-09-10 ICANTING DATE: 1998-10-28 ICANTING DATE: 1999-01-20 ICANTING DATE: 1998-10-10 ICANTING DATE: 1998-10-10 ICANTING DAT	Liunchast Liu Liu Liu Liu Liu Liu Liu Liu Liu Liu	265 AAGGTGO		205	Db 1496 GGCCGAC	145	2y 87 GGCCGA(Db 1436 GGCCGA(Qy 27 GGGCGG Db 1376 GGCCGA(Query Match Best Local Similarity Matches 150; Conser	; OTHER INFORMATION: simi; OTHER INFORMATION: Run US-09-488-725B-901	NAME/KEY: misc_for LOCATION: (1)	OTHER INFORMATION FEATURE:	NAME/KEY: misc_fo	: Homo	₹	; SEC ID NO 901	; NUMBER OF SEQ ID	PRIOR FILING DATE	; PRIOR FILING DATE	; PRIOR FILING DATE	; PRIOR APPLICATION	PRIOR APPLICATION	PRIOR APPLICATION	; PRIOR APPLICATION ; PRIOR FILING DATE			; PRIOR FILING DATE	; PRIOR APPLICATION	PRIOR APPLICATION	; CURRENT APPLICATI ; CURRENT FILING DA	; FILE REFERENCE: 784	잃	• ••		· Applitcant .Tohn Ti
	ies ies ies ies ies ies is ies is ies in the genepept databas in the genepept databas oo, default parameters	TCATCCTGAGCCAGGACAGGTT	GCCGAGGGGGCCCAGAACCAGGGCAAG	ルレンジムルジャン・マントをジャック・シング	CACCAGEGECCLICCIGALAGG	プライム くじょうしょうしょうしょうじょう インスト	SATGGCTTCGGCGGGAGGCGA	GCGCGCCGGGGCCCGGGGAAGGGG 	2.4%; Scc 49.5%; Pre vative 0;	lar to gi984114 with FASTXY 3.3t	eature (3101)	a,t,c or	eature (3000)	sapiens		ب	ata	2 9/2	09/224		09/181,	09/179,	09/170,	09/131,5	09/321,	0	w	09/034,	09/004,	US/09/488, 1-21	ETOM WALTOUR HIDE	Novel Contigs	hua Liu e T: Drmanac	a Sinku	Tillinghaar

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FEATURE:
I PEATURE:
I NAME/KEY: misc feature
LOCATION: (2)...(3140)
OTHER INFORMATION: similar to gi4240219 in the genepept database release 114,
OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
US-09-488-725B-5466
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SOPTWARE: pt_CT_genes Version 1.01

SEQ ID NO 5466

LENGTH: 4305
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GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
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APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR FILING DATE: 1998-01-07
PRIOR APPLICATION NUMBER: US 09/034,341
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CURRENT FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION NUMBER: US/09/488,725B
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TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: From Various Libraries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Yuanhua T. Tang
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OR PILICATION NUMBER: US 09/131,598
OR FILING DATE: 1998-08-10
OR APPLICATION NUMBER: US 09/170,294
OR APPLICATION NUMBER: US 09/170,294
OR FILING DATE: 1998-10-13
OR APPLICATION NUMBER: US 09/179,473
OR APPLICATION NUMBER: US 09/181,430
OR FILING DATE: 1998-10-28
OR APPLICATION NUMBER: US 09/235,076
OR APPLICATION NUMBER: US 09/234,611
OR FILING DATE: 1999-01-22
OR APPLICATION NUMBER: US 09/234,611
OR FILING DATE: 1999-01-2
                                                                                                                                                                                                                                                                                                                                                                                                                 Match 2.4%; Local Similarity 47.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: 1998-02-13
APPLICATION NUMBER: US 09/045,400
FILING DATE: 1998-03-20
APPLICATION NUMBER: US 09/321,214
FILING DATE: 1999-05-26
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                                                                                                                                              145
                                             205
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                                                                                                                                                                                              GAGGACGAGGCGGCGGGGCCCCCAGGGGACGCGTGCGACATCCCCGCCGCCCCTTCCCCAAC 2014
                                                                                                                                                                                                                                                                                               CCGGGCCCCTCCTTCCTCCACGCCCATCGCCCCCTCCTCCACCGCGCCCC 1954
                                                                                                                                                                                                                                                                                                                                             CTGGGCGGGCGCGCCCGGGGAAGGGGCGGGGCGCGGGGACCCCGATGCGCGGAGCG 84
GCCTCCGACGAGTCGCCCCTGACACCCCTGGAGGTGAAGAAGCTGCCAGTCCTGGAGACC 2134
                                                                                                                                                                                                                                            ACCGTGTGTGAGAAGATCATGGAGTTGCTGGGACAGAACGAGGTGGAACAGCGGCAGCGG 264
                                                                                                                                           CGTCCGCACCAGCGGCCCTTCCTGATAGGGGTGAGCGGCGCACTGCCAGCGGGAAGTCG 204
                                                                                              CTGCTGCCGCACCGGCCGCCCTGCTGCTGGTGTTCCCCCCGACCCCGTCACCTGCTCCCCC
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                                                                                                                                                                                                                                                                                                                                                                                             0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                 Score 38.8001;
Pred. No. 4.8;
                                                                                                                                                                                                                                                                                                                                                                                          127; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 1; Length 4305;
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US-09-235-076-24577/c
; Sequence 24577, Application US/09235076
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
; FILE REFERENCE: 20411-756
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                                                                                                                                                                                                                                SOFTWARE: Fast
SEQ ID NO 523
LENGTH: 1768
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ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)...(490)
OTHER INFORMATION: n = A,T,C or G
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SEQ ID NO 24577
LENGTH: 490
                                                               Query Match
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                                                           Matches
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CURRENT APPLICATION NUMBER: US/09/235,076
CURRENT FILING DATE: 1999-01-20
NUMBER OF SEQ ID NOS: 38054
                                                                                                                                                                                                                                                                              FILE REFERENCE: 5800-119
CURRENT APPLICATION NUMBER: US/09/516,448
CURRENT FILING DATE: 2000-02-29
NUMBER OF SEQ ID NOS: 2050
                                                                                                                                                                                                                                                                                                                                           APPLICANT: Robison, Keith E.
TITLE OF INVENTION: Novel Nucleic Acid and Protein Homologs
                                                                                                                                    ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(1768)
OTHER INFORMATION: n = A,T,C
                                                                                                                                                                                                                     TYPE: DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            66;
                                                             64;
                                                                                                                                                                                                                                                                 FastSEQ for Windows Version 3.0
GCCGACCGTCCGCACCAGCGGCCCTTCCTGATAGGGGTGAGCGGC 183
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TGAGGGTAGGAGCAGGAGGAGGAGGAGGTGATGCCCCTGCCGCTCCTCCCAAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GGAGCGGAGGCCGAGATGGCTTCGGCGGGAGGCGAAGACTGCGAGAGCCCCGCGCCGGAG 138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TCGGCGCTGGGCGGGCGCCCGGGGGAAAGGGGCGCGGGGGAACCCCGATGCGCG
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                                                             Conservative
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                                                           ۰,
                                                                          Score 38.2; D
Pred. No. 6.4;
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Pred. No. 5.4;
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                                                                                          DB 3;
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                                                                                          Length 1768;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        160
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US-09-488-725B-292/c
                                                                                                                                                                                                                                                                                                                Matches
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APPLICANT: John Tillinghast
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Remaining Prior Application data removed
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: US 09/004,182
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILE REFERENCE: 784
CURRENT APPLICATION NUMBER: US/09/488,725B
CURRENT FILING DATE: 2000-01-21
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APPLICANT: Radoje T. Drmanac
RITLE OF INVENTION: Novel Contigs Obtained
RITLE OF INVENTION: From Various Libraries
                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: similar to gi5174770 in the genepept database release 114, OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Homo sapiens FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME/KEY: misc_feature
LOCATION: (72)...(825)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
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                                                                                                                                                                                                                                                                                                              Local Sin
nes 112;
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APPLICATION NUMBER: US 09/045,400
FILING DATE: 1998-03-20
APPLICATION NUMBER: US 09/321,214
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US 09/181,430 FILING DATE: 1998-10-28 APPLICATION NUMBER: US 09/235,076
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 1998-10-13
APPLICATION NUMBER: US 09/179,473
FILING DATE: 1998-10-27
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APPLICATION NUMBER: US 09/034,341
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 1998-08-10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 1999-05-26
                                      191
                                                                                                                                                                                                                                  565
                                                                                                              137 AGGCCGACCGTCCGCACCAGCGGCCCTT-----CCTGATAGGGGTGAGCGGCGGCGCACTG 190
                                                                                                                                                                                          17
                                                                                                                                                                                                                                                                                                                                  Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        pt_CT_genes Version 1.01
                                                                                                                                                                                                                                                                   CTCTCGGGAAATCCCCTGTGAGTTGGGAGTGGGAAGTT
                                CCAGCGGGAAGTCGACCGTGTGTGAGAAGATCATGGAGTT 230
                                                                                                                                                     CTGGTGCAGCCCCCCGGTTGCTCTGGGTGCATCGGGAGGCTTCAGAGCCTGCCCAGAGG
                                                                                                                                                                                                                                CCCAGGACCTGGGGGACCTCCAGCCCGGGAACCTGGCCGTGCTGGGGGAGGCGAGTGG
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                                                                                                                                                                                                                                                                                                          Score 37.8; DE Pred. No. 7.7; 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                 DB 1;
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RESULT 22
US-09-488-725B-3303
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US-09-488-725B-891
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 10289
SOFTWARE: pt_CT_genes Version 1.01
SEQ ID NO 891
                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local (
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GENERAL INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR FILING DATE: 1999-01-20
PRIOR APPLICATION NUMBER: US 09/234,611
PRIOR FILING DATE: 1999-01-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION NUMBER: US/09/488,725B
CURRENT FILING DATE: 2000-01-21
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APPLICANT: John Tillinghast
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: Novel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ENGTH: 1041
                                                                                                                                                                                                                                                                                                                                     Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US 09/045,400 FILING DATE: 1998-03-20 APPLICATION NUMBER: US 09/321,214 FILING DATE: 1999-05-26 APPLICATION NUMBER: US 09/131,598
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US 09/034,341 FILING DATE: 1998-02-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US 09/170,294
FILING DATE: 1998-10-13
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APPLICATION NUMBER: US 09/181,430
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                                                                                555
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                                                                                                                                                                                                                                      435 GCGGGGCCGTCGTCGTAGACCGGGGGCCGGGGTCGGAGCGCCGCCGCGGGGACGGGCGCG
                                                                                                                                                                                               64 GGGACCCGATGCGCGGGAGCCGGAGATGGCTTCGGCGGGAGGCGAAGACTGCGAG
                                                                                                                                                                                                                                                                                                            2.3%;
1 Similarity 54.7%;
75; Conservation
                                                                                                                                                                                                                                                                           4 GEGITOGOCTOCGACOTOGGGGCTGGGCGGGCGCGGGGGGAAAGGGGGCGGGCGCG
                                                                                AGCTGCGCTGCAGGCGC 571
                                                                                                                   AGCCCCGCGCCGGAGGC 140
                                                                                                                                                          GGGACAAGCTGGGCTGCTAGGGCGGCAGGGTCAAGGCGGGGCGCGGAGCAGAGCGCGAGCG
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Radoje T. Drmanac
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Sequence 3303, Application US/09488725B GENERAL INFORMATION: APPLICANT: Yuanhua T. Tang APPLICANT: John Tillinghast

APPLICANT:

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                                                                                                    US-09-488-725B-3819/c
                                                                                                                     RESULT 23
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SOFTWARE: pt CT genes Version 1.01
SEQ ID NO 3303
LENGTH: 2900
TYPE: DNA
                                                       Sequence 3819, Application US/09488725B GENERAL INFORMATION:
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PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR FILING DATE: 1999-05-26
PRIOR APPLICATION NUMBER: US 09/131,598
PRIOR FILING DATE: 1998-08-10
PRIOR PILING DATE: 1998-08-10
PRIOR PILING DATE: 1998-10-13
PRIOR FILING DATE: 1998-10-13
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PRIOR APPLICATION NUMBER: US 09/034,341
PRIOR FILING DATE: 1998-02-13
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APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: From Various Libraries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION NUMBER: US 09/045,400
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APPLICANT: Yuanhua T. Tang
APPLICANT: John Tillinghast
APPLICANT: Ankura Sinku
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Homo sapiens
FEATURE:
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(2637)
OTHER INFORMATION: similar to gi4028015 in the genepept database release 114,
OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
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FILING DATE: 1998-10-27
APPLICATION NUMBER: US 09/181,430
FILING DATE: 1998-10-28
APPLICATION NUMBER: US 09/235,076
FILING DATE: 1999-01-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US 09/234,611 FILING DATE: 1999-01-22
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                                                                                                                                                                                                                                                                                                         182 GCGGCACTGCCAGCGGGAAGTCGACCGTGTGTGAGAAGATCATGGAGTTGCTGGGACAGA
                                                                                                                                                                                                                                                                                                                                                  122 GGAAAGTGGGGCTGGCGCCCGGCGACGTGGAGCAAGTCACCTTGGCGCTCGGGGCCGGAG
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Similarity 45.7%;
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                                                                                                                                                                                     CCCCGCAGGCATCGGCCTCCTGGCCAAGACCCCGCTGAGCC 283
                                                                                                                                                                                                                          ACGAGGTGGAACAGCGGCAGCGGAAGGTGGTCATCCTGAGCC 283
                                                                                                                                                                                                                                                                  CCGACAAAGACGGGACCCTGCTGCTGGAGGGCGGCGGCGGCGGCGACGAGGGGGCAGCGAGGA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 37.2;
Pred. No. 10;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      153;
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; NAME/KEY: misc feature; LOCATION: (4136)...(639)
; OTHER INFORMATION: similar to gil504026 in the genepept database; OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters US-09-488-725B-3819
US-09-488-725B-7170/c
; Sequence 7170, Application US/09488725B
; GENERAL INFORMATION:
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SEQ ID NO 3819
LENGTH: 4134
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Best Local Similarity
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CURRENT FILING DATE: 2000-01-21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: US 09/034,341
PRIOR FILING DATE: 1998-02-13
PRIOR APPLICATION NUMBER: US 09/045,400
PRIOR APPLICATION NUMBER: US 09/045,400
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA
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Radoje T. Drmanac
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                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Mismatches
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Pred. No. 10;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 4134;
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APPLICANT: Yuanhua T. Tang APPLICANT: John Tillinghast APPLICANT: Ankura Sinku

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RESULT 25
US-09-488-725B-6720/c
; Sequence 6720, Application
; GENERAL INFORMATION:
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SEQ ID NO 7170
LENGTH: 2303
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Best Local Similarity
                                                                                                         APPLICANT: Yuanhua T. Tang
APPLICANT: John Tillinghast
                                                                     APPLICANT:
                                                                                      APPLICANT:
                                                  APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PEATURE:
NAME/KEY: misc feature
LOCATION: (1270)...(794)
OTHER INFORMATION: similar to gi37481 in the genepept database release 114,
OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
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PRIOR FILING DATE: 1998-10-27
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PRIOR APPLICATION NUMBER: US 09/170,294
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PRIOR FILING DATE: 1999-05-26
PRIOR APPLICATION NUMBER: US 09/131,598
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PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR FILING DATE: 1998-01-07
PRIOR APPLICATION NUMBER: US 09/034,341
PRIOR FILING DATE: 1998-02-13
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CURRENT FILING DATE: 2000-01-21
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ORGANISM: Homo sapiens
          OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: 1998-10-28
APPLICATION NUMBER: US 09/235,076
                                                                                                                                                                                                                                                                          1446
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APPLICATION NUMBER: US 09/234,611
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1625 CTCTGCCCTCGGCGAGCAGGAGCGCGCGACCCGGGGCCGGAAAGGTGCCAGGGGCTC
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T: Chenghua Liu

E: Radoje T. Drmanac

INVENTION: Novel Contigs Obtained

INVENTION: From Various Libraries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              INVENTION: Novel
                                                                                                                                                                                                                                                                                                                                                                                                                                      CGGGCGGCCGGGCGCACACCATCCCCGCGGGCGCGCGGAGCCGGCGACAG-CGCG
                                                                                                                                                                                                                                                                                                                CCAGCGGGAAGTCGACCGTG 210
                                                                                                                                                                                                                                                                                                                                                                                            CGCCGGAGGCCGACCGTCCGCACCAGCGGCCCTTCCTGATAGGGGTGAGCGGCGGCACTG
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                                                                                        Ankura Sinku
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Chenghua Liu
Radoje T. Dru
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52.0%;
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Pred. No. 14;
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                                                         Sequence 7063, Appli
GENERAL INFORMATION:
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SEQ ID NO 6720
LENGTH: 2864
                                                                                                                                                                                                                                                                                                                                                                                                           Matches
                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local :
APPLICANT: Yuanhua T. Tang
APPLICANT: John Tillinghast
APPLICANT: Ankura Sinku
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Remaining Prior Application data removed - NUMBER OF SEQ ID NOS: 10289
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CURRENT FILING DATE: 2000-01-21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR FILING DATE: 1998-01-07
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LOCATION: (44)...(2252)
OTHER INFORMATION: similar to gi805095 in the genepept database
OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME/KEY: misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
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APPLICATION NUMBER: US 09/131,598
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 1998-10-27
APPLICATION NUMBER: US 09/181,430
FILING DATE: 1998-10-28
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APPLICATION NUMBER: US 09/179,473
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Pred. No. 19
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                                                                                                                                                                                                                                                                                                                                                                                                       61;
                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 2864;
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APPLICANT: Chenghua Liu
APPLICANT: Radoje T. Drmanac
APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: From Various Libraries
FILE REPERSUCE: 784
CURRENT APPLICATION NUMBER: US/09/488,725B
CURRENT FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR APPLICATION NUMBER: US 09/004,182

APPLICATION NUMBER: US 09/034,341 FILING DATE: 1998-02-13 APPLICATION NUMBER: US 09/045,400

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; FEATURE:
, NAME/KEY: misc feature
; LOCATION: (1)...(320)
; OTHER INFORMATION: n = A,T,C or
US-09-516-448-1266
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PRIOR FILING DATE: 1998-10-28
PRIOR APPLICATION NUMBER: US 09/235,076
PRIOR FILING DATE: 1999-01-20
PRIOR APPLICATION NUMBER: US 09/234,611
PRIOR FILING DATE: 1999-01-22
Remaining Prior Application data removed - Se
NUMBER OF SEQ ID NOS: 10289
SOFTWARE: Pt CT genes Version 1.01
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SEQ ID NO 7063
LENGTH: 3047
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Best Local Similarity
                                                                                                                                                                                                       SEQ ID NO 1266
Query Match
Best Local Similarity
                                                                                                                                                                                                                                   APPLICANT: Robison, Keith E.
TITLE OF INVENTION: Novel Nucleic Acid and Protein FILE REFERENCE: 5800-119
CURRENT APPLICATION NUMBER: US/09/516,448
CURRENT FILING DATE: 2000-02-29
NUMBER OF SEQ ID NOS: 2050
                                                                                                                                                                                                                           SOFTWARE:
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OTHER INFORMATION: similar to gi899477 in the genepept database
OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
                                                                                                                                         LENGTH: 320
TYPE: DNA
ORGANISM: Homo sapiens
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NAME/KEY: misc feature
LOCATION: (391)...(268
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APPLICATION NUMBER: US 09/170,294
FILING DATE: 1998-10-13
APPLICATION NUMBER: US 09/179,473
FILING DATE: 1998-10-27
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FILING DATE: 1999-05-26
APPLICATION NUMBER: US 09/131,598
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TCCGACCTCGGCGCTGGGCGGGCCCCGGGGCCCGGGGAAGGGGCGGGGCGCGGGACCCG 71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CAGCG 196
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GGCCGCGGGGCGCTGCGGTCGCGCCCCGGCGGGCGGGAGTCCCCGGGGCCGGAGCCCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TCTTCCTTCGAGACATGCTGCCGGCGGAGCTGCAGCGGCGAGGCGGCGGCGAGGAC 347
                                                                                                                                                                                                                         FastSEQ for Windows Version 3.0
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 2.2%;
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Pred. No. 16;
 Score 35.9;
Pred. No. 19;
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                   DB
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                 Length 320;
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APPLICANT: Robison, Keith E.
TITLE OF INVENTION: Novel Nucleic Acid and
FILE REFERENCE: 5800-119
CURRENT APPLICATION NUMBER: US/09/516,448
CURRENT FILING DATE: 2000-02-29
NUMBER OF SEQ ID NOS: 2050
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 1743
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                      APPLICANT: Chenghua Liu
APPLICANT: Radoje T. Drnanac
TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: Prom Various Libraries
FILE REFERENCE: 784
CURRENT APPLICATION NUMBER: US/09/488,725B
CURRENT FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR FILING DATE: 1998-01-07
PRIOR APPLICATION NUMBER: US 09/034,341
PRIOR FILING DATE: 1998-02-13
PRIOR APPLICATION NUMBER: US 09/045,400
PRIOR FILING DATE: 1998-03-20
PRIOR FILING DATE: 1998-03-26
PRIOR FILING DATE: 1998-05-26
PRIOR FILING DATE: 1999-05-26
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PRIOR FILING DATE: 1999-05-26
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APPLICANT: John Tillinghast
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NAME/KEY: misc_feature
LOCATION: (1)...(1176)
OTHER INFORMATION: n = A,T,C
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FILING DATE:
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Pred. No. 19;
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PRIOR APPLICATION NUMBER: US 09/181,430

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RESULT 30
US-09-488-725B-3307/c
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                                      PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR FILING DATE: 1998-01-07
PRIOR APPLICATION NUMBER: US 09/034,341
PRIOR FILING DATE: 1998-02-13
PRIOR APPLICATION NUMBER: US 09/045,400
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR FILING DATE: 1999-05-26
PRIOR FILING DATE: 1999-08-10
PRIOR APPLICATION NUMBER: US 09/131,598
PRIOR APPLICATION NUMBER: US 09/170,294
PRIOR APPLICATION NUMBER: US 09/170,294
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 3307, Application US/09488725B
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SBQ ID NO 8488
LENGTH: 1390
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Best Local
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                                                                                                                                                                                                                                                                                                   APPLICANT: Chenghua Liu
APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: From Various Librarie:
FILE REFERENCE: 784
CURRENT APPLICATION NUMBER: US/09/488,725B
CURRENT FILING DATE: 2000-01-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Yuanhua T. Tang
APPLICANT: John Tillinghast
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Remaining Prior Application data removed -
NUMBER OF SEQ ID NOS: 10289
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OTHER INFORMATION: similar to gi2979531 in the genepept database release 114,
OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
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LOCATION: (1)...(1391)
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       FILING DATE:
APPLICATION N
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: 1998-10-13
NUMBER: US 09/179,473
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Pred. No. 19;
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NUMBER OF SEQ ID NOS: 10289
SOFTWARE: pt CT_genes Version 1.01
SEQ ID NO 3307
LENGTH: 2130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 6268, Application US/09488725B GENERAL INFORMATION:
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                                                                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: US 09/034,341
PRIOR FILING DATE: 1998-02-13
PRIOR APPLICATION NUMBER: US 09/045,400
                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION NUMBER: US/09/488,725B CURRENT FILING DATE: 2000-01-21
                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION NUMBER: US 09/004,182 PRIOR FILING DATE: 1998-01-07
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PRIOR APPLICATION NUMBER: US 09/235,076
PRIOR FILING DATE: 1999-01-20
PRIOR APPLICATION NUMBER: US 09/234,611
PRIOR FILING DATE: 1999-01-22
                                                                                                                                                                                                                                      PRIOR FILING DATE: 1998-03-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: Novel Contigs Obtained TITLE OF INVENTION: From Various Librarie
                                                                                                                                                                                                                                                                                                                                                                                                                               FILE REFERENCE: 784
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
FEATURE:
NAME/KEY: misc feature
LOCATION: (685)...(1841)
OTHER INFORMATION: similar to gi5524739 in the genepept database release 114,
OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity
                                          FILING DATE: 1998-08-10
APPLICATION NUMBER: US 09/170,294
FILING DATE: 1998-10-13
APPLICATION NUMBER: US 09/179,473
FILING DATE: 1998-10-27
                                                                                                                                                           APPLICATION NUMBER: US 09/321,214
FILING DATE: 1999-05-26
APPLICATION NUMBER: US 09/131,598
FILING DATE: 1998-10-28
                      APPLICATION NUMBER: US 09/181,430
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1357 CATAACTCAAAAGTTTTGTGAACAAGTACTTTTCCTTTTTTACATGTTACATGTCCTCATG 1416
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1297 GTGAACCCACAGTGGGAGAGATTTTTTCCAGTCTGATCTGGTTCTTACACACTCACACA 1356
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            721 GTGAAAGTÁTATTATAGGÁCATCACTGAAAAĞTČCAAACTTĞTTCTCAČTGTCTTCACAT 662
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CCCAGTGGTTT 1487
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TATTCCCAATTCCGCTTTATCACACCTTGGTGTTTTCTTCGTTTTTGATGAAGGCTCATCT 542
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TTTTCTGTTTTCTGTTTCATAACACAAGGCTGGTTGTGGCCTACAAACCTAATTTCATGA 1476
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Chenghua Liu
Radoje T. Drmanac
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ilarity 49.2%;
Conservative
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Pred. No. 19;
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    See File Wrapper or PALM

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SEQ ID NO 6268
LENGTH: 8872
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
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Remaining Prior Application data removed
NUMBER OF SEQ ID NOS: 10289
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION NUMBER: US 09/234,611
                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/09/488,7258
CURRENT FILING DATE: 2000-01-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: Novel Contigs Obtained TITLE OF INVENTION: From Various Libraries FILE REFERENCE: 784
                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION NUMBER: US 09/004,182
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT:
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OCHER INFORMATION: similar to gil212917 in the genepept database release 114, OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OTHER INFORMATION: n = a, t, c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME/KEY: misc_feature LOCATION: (1)...(8873)
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ORGANISM: Homo sapiens
FEATURE:
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                                                                                                 FILING DATE: 1998-10-13
APPLICATION NUMBER: US 09/179,473
FILING DATE: 1998-10-27
APPLICATION NUMBER: US 09/181,430
FILING DATE: 1998-10-28
                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US 09/034,341
FILING DATE: 1998-02-13
APPLICATION NUMBER: US 09/045,400
FILING DATE: 1998-03-20
APPLICATION NUMBER: US 09/321,214
                                                                                                                                                                                                                            FILING DATE: 1999-05-26
APPLICATION NUMBER: US 09/131,598
FILING DATE: 1998-08-10
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                                        APPLICATION NUMBER: US 09/234,611
                                                                                                                                                                                                          APPLICATION NUMBER: US 09/170,294
                   FILING DATE: 1999-01-22
                                                            FILING DATE: 1999-01-20
                                                                               APPLICATION NUMBER: US 09/235,076
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1427 CTCCACGAGCGCATCTTGTTTGCCCCGGGCAGCGAGGAGGCCATTGAAAGACTGAAGGAA 1486
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   151 CACCAGCGGCCCTTCCTGATAGGGGTGAGCGGCGCACTGCCAGCGGGAAGTCGACCGTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         h 2.2%;
Similarity 54.1%;
73; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GCCATCCGGATGGAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ACAGAGAAGATCATAGCTGAGCTCAATGAGACCTGGGAGGAGGAAGCTGCGGCGGACAGAA 1546
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TGTGAGAAGATCATGGAGTTGCTGGGACAGAACGAGGTGGAACAGCGGCAGCGGAAGGTG
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Radoje T. Drmanac
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      John Tillinghast
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  data removed
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Pred. No. 19;
0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              62;
File Wrapper
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                                                                            RESULT 33
US-09-488-725B-3659/c
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SEQ ID NO 2990
LENGTH: 2432
                                            GENERAL INFORMATION:
                                                             Sequence 3659,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
 APPLICANT:
              APPLICANT:
                               APPLICANT: Yuanhua T. Tang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FEATURE: NAME/KEY: misc_feature LOCATION: (4)...(2320)
LOCATION: (4)...(2320)
OTHER INFORMATION: similar to gi4589628 in the genepept database release 114,
OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local
                                                                                                                                                                                                                                                                                                                                      518
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                                                                                                                                                                                                                                                                       458
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                                                                                                                                                                                                                                                                                                                                                                                                 578 ACCGGGGGTGGCGGGGGGGGGGGGGGCGACGAGGAGGCCCCACGGGGCCTCGGGCTCA
                                                                                                                                                                                                                                                                                                                                                                   144 CCGTCCGCACCAGCGGCCCTTCCTGATAGGGGTGAGCGGCACTGCCAGCGGGAAGTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                638 GETGETGECEGECAGTEGEAACACETCEGECACCEGAAGGCAGCCETGEGECTGAAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               150;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Similarity
                                                                                                                                            GGAGGACT 332
                                                                                                                                                                                                                                       GAAGGTGGTCATCCTGAGCCAGGACAGGTTCTACAAGGTCCTGACGGCAGAGCAGAAGGC
                                                                                                                                                                                                                                                                                                      GACCGTGTGTGAGAAGATCATGGAGTTGCTGGGACAGAACGAGGTGGAACAGCGGCAGCG 263
                                                                                                                                                                                                                                                                                                                                                                                                                                 GCCGAGATGGCTTCGGCGGGAGGCCGAAGACTGCGAGAGCCCC----GCGCCGGAGGCCGA
                                                                                                                                                                          CAAGGCCT 331
                                                                                                                                                                                                                                                                                                                                    GCGCCGAAGGGCTGCGCGAAGGGCGCGCACGGGCGCGGCCGAACTGCCTCGGCGTCGGG
                                                                                                                                                                                                         CGCGGGCCCGAGGTTCTGCGCGCGATGAACTGCTTGGGGCGCGCGTAGTTGAAGGAGCC
                                                                                                                                                                                                                                                                        GA-CATGGGCGACGGGAGGCTGGACGAGCTGGGGGCTGGAGGCCGGGGGTGCCGTGGCCCGA
John Tillinghast
Ankura Sinku
                                                             Application US/09488725B
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               <u>.</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 35.6999;
Pred. No. 20;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 153;
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RESULT 33
US-09-488 725B-3659/c
US-09-408 725B-3659/c
Sequence 3659, Application US/09488725B
GENERAL INFORMATION:
APPLICANT: Yuanhua T. Tang
APPLICANT: John Tillinghast
APPLICANT: Ankura Sinku
APPLICANT: Ankura Sinku
APPLICANT: Chenghua Liu
APPLICANT: Chenghua Liu
APPLICANT: Chenghua Liu
APPLICANT: Chenghua Liu
APPLICANT: Chenghua Liu
APPLICANT: Chenghua Liu
APPLICANTION: NOVel Contigs Obtained
TITLE OF INVENTION: From Various Libraries
FILE REFERENCE: 784
CURRENT FILING DATE: 2000-01-21
PRIOR PPLICATION NUMBER: US 09/04,182
PRIOR APPLICATION NUMBER: US 09/04,182
PRIOR APPLICATION NUMBER: US 09/04,182
PRIOR APPLICATION NUMBER: US 09/045,400
PRIOR APPLICATION NUMBER: US 09/034,341
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR APPLICATION NUMBER: US 09/131,598
PRIOR FILING DATE: 1998-10-26
PRIOR APPLICATION NUMBER: US 09/179,473
PRIOR APPLICATION NUMBER: US 09/179,473
PRIOR APPLICATION NUMBER: US 09/179,473
PRIOR APPLICATION NUMBER: US 09/181,430
PRIOR APPLICATION NUMBER: US 09/181,430
PRIOR APPLICATION NUMBER: US 09/235,076
PRIOR APPLICATION NUMBER: US 09/235,076
PRIOR APPLICATION NUMBER: US 09/235,076
PRIOR APPLICATION NUMBER: US 09/235,076
PRIOR APPLICATION NUMBER: US 09/235,076
PRIOR APPLICATION NUMBER: US 09/235,076
PRIOR APPLICATION NUMBER: US 09/235,076

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CURRENT FILING DATE: 1999-01-20

NUMBER OF SEQ ID NOS: 38054
SEQ ID NO 5020
LENGTH: 473
Type: Non SERVER SEQ ID NOS: 10 NO 5020
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                                                                                                                                                                                                                                                              ; NAME/KEY: misc_feature
; LOCATION: (1)...(473)
; OTHER INFORMATION: n = A,T,C or G
US-09-235-076-5020
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US-09-235-076-5020
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                                                                                                                                                                                                                 Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: pt_CT_genes Version 1.01
SEQ ID NO 3659
LENGTH: 1917
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Hyseq, Inc.
TITLE OF INVENTION: NOVEL NUCLEIC
TITLE OF INVENTION: FROM VARIOUS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Remaining Prior Application data removed - NUMBER OF SEQ ID NOS: 10289
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: US 09/234,611
PRIOR FILING DATE: 1999-01-22
                                                                                                                                                                                                                                                                                                                                                 ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                   FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME/KEY: misc feature LOCATION: (1)...(1069)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
                                                                                        1390 CTITTTACAIGTTACAIGTCCTCAIGTTTTCTGTTTTCATAACACAAGGCTGG 1449
                                                                                                                                                             1330 СТGAТСТЭЭТТСТТАСАСАСТСАСАСАСАТААСТСААААЭТТТТЭТЭААСААЭТАСТТТС 1389
                                                                                                                                 93
                                                                                                                                                                                                   78;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         81
                               TTGTGGCCTACAAACCTAATTTCATGACC 1478
                                                              TCATTAACCTTGTGCCATCATTTCATCTGTCCTGTTACCCGTTTCATAAAGGATGTCCTT 212
                                                                                                                              CTGATGTGTTGCTTTTTCTCTTTCACTACTGCATGAAATTTCTGCTAACAGAGCTAGGCC 152
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CGACCGTCCG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GGCGGCGGAAGGAGGCGCGACCGGGCGCGCGCAGGCGCGCGGGGCCCGTCGGGGCTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TTGTGTCCCATGATCAAGATGGAAACACC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AGCGGCGGTGTCGGGCGGCGGCGGGGGCGGCCCCCGGGACCTCGCATGCACGAAGCC 470
                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Application US/09235076
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                                                                                                                                                                                                               52.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NOVEL NUCLEIC ACID SEQUENCES OBTAINED FROM VARIOUS CDNA LIBRARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      460
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                                                                                                                                                                                                 0;
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Pred. No. 21;
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0
                                                                                                                                                                                                               Score 35.4;
Pred. No. 23;
                                                                                                                                                                                                 Mismatches
241
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                                                                                                                                                                                                                              DB 4;
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                                                                                                                                                                                                                              Length 473;
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RESULT 35

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; NAME/KEY: misc feature
; LOCATION: (1)...(752)
; OTHER INFORMATION: n = A,T,C or G
US-09-516-448-1912
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SEQ ID NO 1912
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                                                                                                            Matches
                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 1912, Application US/09516448
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SEQ ID NO 20462
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                   FILE REFERENCE: 5800-119
CURRENT APPLICATION NUMBER: US/09/516,448
CURRENT FILING DATE: 2000-02-29
NUMBER OF SEQ ID NOS: 2050
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PILE REFERENCE: 20411-756

CURRENT APPLICATION NUMBER: US/09/235,076

CURRENT FILING DATE: 1999-01-20

NUMBER OF SEQ ID NOS: 38054
                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Robison, Keith E.
TITLE OF INVENTION: Novel Nucleic Acid and Protein Homologs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Homo sapiens FEATURE: misc feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LOCATION: (1)...(489)
OTHER INFORMATION: n =
                                                                                                                                                                                                                                                                         LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA
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                                                                                                                        Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   527 GCCAGGAGATCCGGGACATGTTCCACCTGCGCCTCTTCGTGGACACCGACTCCGACGTCA 586
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             81
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         21
                                                                                                          91;
                                                                                                                                                                                                                                                                          752
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                                                                                                                       Similarity
CGGGAAGTCGACCGTGTGTGAGAAGATCATGGAGTTGCTGGGACAGAACGAGGTGGAACA
                                             GGAGGCCCACCAGCCGCAGACCCAGCCCCTGTGGCACCAGCTGGGACTGGTCCTAGCTAA 397
                                                                         GGAGGCCGACCGCCACCAGCGGCCCTTCCTGATAGGGGTGAGCGGCGCCACTGCCAG 194
                                                                                                                                                                                                                                                                                                      FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ATGCCGATGTGATCATC 723
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FastSEQ for Windows Version 3.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GGCTGCGGCTCATCGCGCTGCTCGAGGTGCTCAGCCAGAAGCGCATGTACCGCAAGTACC 140
                                                                                                       2.2%;
ilarity 49.5%;
Conservative
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                                                                                                     Score 35.2; Di
Pred. No. 26;
0; Mismatches
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Pred. No. 23;
0; Mismatches 101;
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                                                                                                                                   Length 752;
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                                                                                                         Indels
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                    δ
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                                                                                                                                                                                                                    US-09-488-725B-6421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: John Tillinghast
APPLICANT: Ankura Sinku
APPLICANT: Chenghua Liu
APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Conti
TITLE OF INVENTION: From Vario
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
                                                                                                                                                           Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: pt CT_genes Version 1.01
SEQ ID NO 6421
                                                                                                                                        Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR PILING DATE: 1998-01-07
PRIOR APPLICATION NUMBER: US 09/034,341
PRIOR FILING DATE: 1998-02-13
PRIOR APPLICATION NUMBER: US 09/045,400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/09/488,725B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Yuanhua
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                                                                                                                                                                                                                                                                                                                                PEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(4039)
OTHER INFORMATION: n =
                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 40
TYPE: DNA
                                                                                                                                                                                                                                       NAME/KEY: misc_feature
LOCATION: (3798)...(11)
OTHER INFORMATION: similar to gil841430 in the genepept database release 114,
OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US 09/170,294
FILING DATE: 1998-10-13
APPLICATION NUMBER: US 09/179,473
FILING DATE: 1998-10-27
APPLICATION NUMBER: US 09/181,430
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 1998-02-13
APPLICATION NUMBER: US 09/045,400
FILING DATE: 1998-03-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: 1999-01-2:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: 1999-01-20
APPLICATION NUMBER: US 09/234,611
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US 09/131,598 FILING DATE: 1998-08-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US 09/321,214 FILING DATE: 1999-05-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: 1998-10-28
APPLICATION NUMBER: US 09/235,076
                                                             3385
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             398 ACACTTTGAACCACAGGATGCCAAGGCCGTGCTGCAGCTGCTAAGGCAGGAGCACGAGGA 457
                                                                                                                                      150; Conservative
                      63
                                                                                                                                                                                                                                                                                                                                                                                                                                                           4038
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Prior Application data removed - See File Wrapper or PALM
                                                                                                                                                           Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GCGCCTGCAGAAGATAAGCCTGGAGCACCTGGAGCAGCTGGCCCAGTACCTTCTGGCAGA
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GGGGACCCGATGCGCGGGAGGCCGAGATGCTTCGGCGGAGGCGAAGACTGCGA 122
                                                           ĠĊĠĠĠĊĊĠĊŦĊĊĠĊŦĂŦĠĠĠĊĠĂĠĊŦĠŦĂĊĠĂĠĠŦĊĊĠĊĠĀĠĂŦĠĊĠĊĠ-ĠĊĠĊ
                                                                                                GEGETCECCTCCGACCTCGGCGCTGGGCGCGCGCGCCCCGGGGAAAGGGGGGGCGCGC
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John Tillinghast
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                                                                                                                                                         2.2%;
                                                                                                                                                                                                                                                                                                                                         a,t,c
                                                                                                                                      Score 35.1; DI
Pred. No. 26;
0; Mismatches
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                                                                                                                                                                                                                                                                                                                                         9
                                                                                                                                                                             DB 1;
                                                                                                                                           174;
                                                                                                                                                                             Length 4038;
                                                                                                                                           Indels
                                                                                                                                           1:
                                                                                                                                           Gaps
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                                                               3327
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CURRENT APPLICATION NUMBER: US/09/516,448
CURRENT FILING DATE: 2000-02-29
NUMBER OF SEQ ID NOS: 2050
SOPTWARE: PastSEQ for Windows Version 3.0
SEQ ID NO 1984
LENGTH: 2494
TYPE: DNA
ORGANISM: Homo sapiens
US-09-516-448-1984
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-516-448-1984/c
US-09-516-448-1984, Application US/09516448
Sequence 1984, Application US/09516448
GENERAL INFORMATION:
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                                                                                                                 APPLICANT: Chenghua Liu
APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: From Various Libraries
FILE REFERENCE: 784
CURRENT APPLICATION NUMBER: US/09/488,725B
CURRENT FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR FILING DATE: 1998-01-07
PRIOR FILING DATE: 1998-01-07
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FILE REFERENCE: 5800-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 3431, Application GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity Matches 77; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Yuanhua T. Tang
APPLICANT: John Tillingha
                     PRIOR APPLICATION NUMBER: US 09/034,341
PRIOR FILING DATE: 1998-02-13
PRIOR APPLICATION NUMBER: US 09/045,400
                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3146 GCAGAAGAAGGCGCAGGCGCTGCAGGAGGAGTGCGGCTACCTGCGGCGCCACCACCAGGA 3087
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            фадссссесесесова сестем селествення в применения примен
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1998-03-20
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Nucleic Acid and Protein Homologs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 35; DB Pred. No. 28; 0; Mismatches
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RESULT 40
US-09-488-725B-6643
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                                            CURRENT FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR FILING DATE: 1998-01-07
PRIOR PELICATION NUMBER: US 09/034,341
PRIOR PELICATION NUMBER: US 09/045,400
PRIOR PELICATION NUMBER: US 09/045,400
PRIOR PELICATION NUMBER: US 09/321,214
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR APPLICATION NUMBER: US 09/321,598
PRIOR APPLICATION NUMBER: US 09/31,598
PRIOR APPLICATION NUMBER: US 09/31,598
PRIOR APPLICATION NUMBER: US 09/170,294
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SEQ ID NO 3431
LENGTH: 3239
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
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Best Local
                                                                                                                                                                                                                                                                               FILE REFERENCE: 784
CURRENT APPLICATION NUMBER: US/09/488,725B
CURRENT FILING DATE: 2000-01-21
                                                                                                                                                                                                                                                                                                                                       APPLICANT: Chenghua Liu
APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Cont
TITLE OF INVENTION: From Var.
                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Yuanhua T. Tang
APPLICANT: John Tillinghast
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OTHER INFORMATION: similar to gi5817132 in the genepept database release 114.
OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Homo sapiens FEATURE:
NAME/KEY: misc_feature LOCATION: (3240)...(27)
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APPLICATION NUMBER: US 09/170,294
FILING DATE: 1998-10-13
FILING DATE
              FILING DATE:
APPLICATION N
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: 1999-01-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US 09/179,473 FILING DATE: 1998-10-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US 09/234,611
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: 1999-05
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              68;
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              : 1998-10-13
NUMBER: US
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1998-10-27
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                                                                                                                                                                                                                                                                                                                                                              Contigs Obtained
              09/179,473
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Pred. No. 28;
0; Mismatches
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NUMBER OF SEQ ID NOS: 10299
SOFTWARE: pt CT_genes Version 1.01
SEQ ID NO 6643
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local S
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION NUMBER: US 09/181,430 PRIOR FILING DATE: 1998-10-28 PRIOR APPLICATION NUMBER: US 09/235,076 PRIOR FILING DATE: 1999-01-20 PRIOR APPLICATION NUMBER: US 09/234,611 PRIOR FILING DATE: 1999-01-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME/KEY: misc feature LOCATION: (298)...(5441)
OTHER INFORMATION: similar to gi5006445 in the genepept database release 114,
OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Homo sapiens FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA
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 389
                                                                           329
                                                                                                                236
                                                                                                                                                      269
                                                                                                                                                                                           176
                                     296
                                                                                                                                                                                                                             212 CCGCCGAGCCCCGAGGGCGCCCTGACGGACTGGCCGAGCCGGC---GGTGAGAGGCC
                                                                                                                                                                                                                                                                116 ACTGCGAGAGCCCCGCGCCGGAGCCGACCGTCCGCACCAGCGGCCCTTCCTGATAGGGG
                                                                                                                                                                                                                                                                                                        150;
                                                                                                                                                                                                                                                                                                                                          56 CGGGCGCGGGACCCGATGCGCGGAGCGGAGACGCCGAGATGGCTTCGGCGGGAGGCGAAG 115
                                                                                                                                                                                                                                                                                                                                                                                 92 GCGGGGCCCCGGCGCCCAGACTCTGCGCCCGTCGGGACGGAGCCCAAGATGTCGGCCTAGG
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                                                                                                                                                                                                                                                                                                                                                                                                                       3 GGGGTCGCCTCCGACCTCGGCGCTGGGCGGCCGCGGGCCCGGGGAAG-----GGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Similarity
                                     ACAAGGTCCT 305
                                                                                                                                                      GGCGCGTCGGGAGCGGGCCGCGCGCACCATGTCGGCCAAGGTGCGGCTCAAGAAGCTGG
                                                                                                                                                                                       TGAGCGGCGCACTGCCAGCGGGAAGTCGACCGTGTGAGAAGATCATGGAGTTGCTGG
                                                                           AGCAGCTGCTCCTGGACGGGCCCTGGCGCAACGAGAGCGCCCTGAGCGTGGAAACGCTGC 388
                                                                                                                GACAGAACGAGGTGGAACAGCGGCAGCCGGAAGGTTCATCCTGAGCCAGGACAGGTTCT
TCGACGTGCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2.2%;
398
                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Mismatches 150;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 35;
Pred. No. 2
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    See File Wrapper or PALM

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WS-09-488-725B-3800/c

WS-09-488-725B-3800/c

Sequence 3800, Application US/09488725B

GENERAL INFORMATION:

APPLICANT: Yuanhua T. Tang

APPLICANT: John Tillinghast

APPLICANT: Ankura Sinku

APPLICANT: Chenghua Liu

APPLICANT: Radoje T. Drmanac

TITLE OF INVENTION: NOvel Contigs Obtained

FILL REFERENCE: 78

CURRENT APPLICATION NUMBER: US/09/488,725B

CURRENT FILING DATE: 1998-01-07

PRIOR APPLICATION NUMBER: US 09/004,182

PRIOR APPLICATION NUMBER: US 09/044,341

PRIOR APPLICATION NUMBER: US 09/044,341

PRIOR APPLICATION NUMBER: US 09/045,400

PRIOR APPLICATION NUMBER: US 09/045,400

PRIOR FILING DATE: 1998-03-20

PRIOR FILING DATE: 1998-03-20

PRIOR PILING DATE: 1998-03-20

PRIOR PILING DATE: 1998-05-26

PRIOR PILING DATE: 1998-05-26

PRIOR PILING DATE: 1998-05-26

PRIOR PILING DATE: 1998-08-10

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; LOCATION: (4309)...(2761); OTHER INFORMATION: similar to gil054874 in the genepept database release; OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters US-09-488-725B-3800
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US-09-488-725B-6580/c
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                                                                                                                                                                                                                                                                   APPLICANT: Chenghua Liu
APPLICANT: Radoje T. Drmanac
APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: From Various Libraries
FILE REFERENCE: 784
CURRENT APPLICATION NUMBER: US/09/488,725B
CURRENT FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR FILING DATE: 1998-01-07
PRIOR FILING DATE: 1998-01-07
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
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                                                                                                                                                                         PRIOR APPLICATION NUMBER: US 09/034,341
PRIOR FILING DATE: 1998-02-13
PRIOR APPLICATION NUMBER: US 09/045,400
PRIOR FILING DATE: 1998-03-20
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OR APPLICATION NUMBER: US 09/321,214
OR FILING DATE: 1999-05-26
OR APPLICATION NUMBER: US 09/131,598
OR APPLICATION NUMBER: US 09/170,294
OR APPLICATION NUMBER: US 09/170,294
OR APPLICATION NUMBER: US 09/179,473
OR APPLICATION NUMBER: US 09/179,473
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PRINCATION NUMBER: US 09/179,473

DR FILING DATE: 1998-10-27

DR APPLICATION NUMBER: US 09/181,430

DR FILING DATE: 1998-10-28

DR APPLICATION NUMBER: US 09/235,076

DR APPLICATION NUMBER: US 09/235,076

DR FILING DATE: 1999-01-20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TGGACAGCAGCAGCAGGAGTACGACTTCAAGATGGCACAGGCGCTGGAGGAGCTGC
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NUMBER OF SEQ ID NOS: 10289
SOFTWARE: pt_CT_genes Version 1.01
SEQ ID NO 6580
LENGTH: 2585
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION NUMBER: US 09/181,430 PRIOR FILING DATE: 1998-10-28 PRIOR APPLICATION NUMBER: US 09/235,076 PRIOR FILING DATE: 1999-01-20 PRIOR APPLICATION NUMBER: US 09/234,611
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
                                                                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR FILING DATE: 1998-01-07
PRIOR APPLICATION NUMBER: US 09/034,341
PRIOR FILING DATE: 1998-02-13
PRIOR APPLICATION NUMBER: US 09/045,400
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR APPLICATION NUMBER: US 09/321,214
                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/09/488,725B
                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILE REFERENCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION: Novel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Yuanhua T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR FILING DATE: 1999-01-22
                                 PRIOR APPLICATION NUMBER: US 09/234,611 PRIOR FILING DATE: 1999-01-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FEATURE: misc feature LOCATION: (220) ... (165-
                                                                                                                                                                                                                               PRIOR FILING DATE: 1998-08-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LOCATION: (220)...(1654)
OTHER INFORMATION: similar to gi516381 in the genepept database
OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
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                                                                                                                                                  FILING DATE: 1998-10-13
APPLICATION NUMBER: US 09/179,473
FILING DATE: 1998-10-27
                                                                         APPLICATION NUMBER: US 09/235,076 FILING DATE: 1999-01-20
                                                                                                              APPLICATION NUMBER: US 09/181,430 FILING DATE: 1998-10-28
                                                                                                                                                                                                         APPLICATION NUMBER: US 09/170,294
                                                                                                                                                                                                                                             APPLICATION NUMBER: US
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 188 GECECEGEAGCEGEACAGCEGCECECEGECEGCEGCEGCEACCEGTEGETECCEAACEGEG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             88 GCCGAGATGGCTTCGGCGGGAGGCGAAGACTGCGAGAGCCCCGCGCCGGAGGCCGACCGT
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Radoje T. Drmanac
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ankura Sinku
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Application data removed - D NOS: 10289
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                                                                                                                                                                                                                                                 09/131,598
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Pred. No. 30;
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                     See File Wrapper or PALM
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; OTHER INFORMATION: similar to gi4850180 in the genepept database release 114,
; OTHER INFORMATION: Run with FASTXY 3.3100, default parameters
US-09-488-725B-2608
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                                                                                                                             SEQ ID NO 6750
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GENERAL INFORMATION:
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SEQ ID NO 2608
LENGTH: 1404
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Best Local
                                                                                                                                                        Remaining Prior Application data removed NUMBER OF SEQ ID NOS: 10289 SOFTWARE: pt_CT_genes Version 1.01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/09/488,725B
FEATURE:
NAME/KEY: misc feature
'COATION: (16)...(1867)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILE REFERENCE: 784
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: US 09/004,182
                                                                          ORGANISM: Homo sapiens
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NAME/KEY: misc_feature
LOCATION: (948)...(123
                                                                                                   TYPE: DNA
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TLE OF INVENTION: Novel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US 09/034,341
PILING DATE: 1998-02-13
APPLICATION NUMBER: US 09/045,400
FILING DATE: 1998-03-20
                                                                                                                                                                                                                FILING DATE: 1999-01-20
APPLICATION NUMBER: US 09/234,611
FILING DATE: 1999-01-22
                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US 09/179,473
FILING DATE: 1998-10-27
APPLICATION NUMBER: US 09/181,430
                                                                                                                                                                                                                                                                        FILING DATE: 1998-10-28
APPLICATION NUMBER: US 09/235,076
                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 1998-08-10
APPLICATION NUMBER: US 09/170,294
FILING DATE: 1998-10-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US 09/321,214 FILING DATE: 1999-05-26
                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US 09/131,598
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: 1998-01-07
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              h 2.1%;
Similarity 53.3%;
73; Conservative
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Radoje T. Drmanac
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                                                                                                                                                      genes Version 1.01
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Pred. No. 34;
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; OTHER INFORMATION: similar to gi180357 in the genepept database release; OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters US-09-488-725B-6750
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US-09-488-725B-5404
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SEQ ID NO 5404
LENGTH: 3043
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                                        Query Match
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                                                                                                                                                                                                                                                                                                     Remaining Prior Application data removed NUMBER OF SEQ ID NOS: 10289
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR FILING DATE: 1998-01-07
PRIOR APPLICATION NUMBER: US 09/034,341
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILE REFERENCE: 784
CURRENT APPLICATION NUMBER: US/09/488,725B
CURRENT FILING DATE: 2000-01-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Chenghua Liu
APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: From Various Libraries
                                                                                        ORGANISM: Homo sapiens FEATURE:
NAME/KEY: misc_feature
LOCATION: (2)...(3045)
OTHER INFORMATION: similar to gi4589634 in the genepept database release 114,
OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
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                                                                                                                                                                                                                           TYPE: DNA
                     Local
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                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US 09/181,430
FILING DATE: 1998-10-28
APPLICATION NUMBER: US 09/235,076
FILING DATE: 1999-01-20
APPLICATION NUMBER: US 09/234,611
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US 09/321,214
FILING DATE: 1999-05-26
APPLICATION NUMBER: US 09/131,598
FILING DATE: 1998-08-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US 09/045,400 FILING DATE: 1998-03-20
                                                                                                                                                                                                                                                                                                                                              FILING DATE: 1999-01-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US 09/179,473
FILING DATE: 1998-10-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US 09/170,294
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 1998-10-13
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Similarity 53.8%;
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Score 34.4; DB 1; Length 3043; Pred. No. 37; 0; Mismatches 61; Indels 0
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Pred. No. 37
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Gaps

Search Job ti	뫄	8	뮍	Ş	닭	Ş
Search completed: December 11, 2003, 23:48:24 Job time : 28715 secs	491 CGCGCTCAGCGG 502	148 CCGCACCAGCGG 159	431 GCGGCGCCGGGTGGGGATGGGGTCGCAGACGCTGCAGATCCTCCGACAGGGGGTGTGGGC 490	88 GCCGAGATGGCTTCGGCGGAGAGCCGCAAGAGCCCCCGCGCGGAGGCCCGACCGT 147	371 GGCGACCGAGCCGAGCTGGGGCCGGGGGGGGACGGCGGCGGCGGCGGCGGCGACGGCG 430	28 GGCGGGCCGCCGGGGAAGGGGGAGCGGGGGGAACCCGATGCGCGGGAAGCGGAG 87

Copyright

GenCore version 5.1.6 (c) 1993 - 2003 Compugen Ltd.

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Command line parameters:

-MODEL=frame+_D2n.model -DEV=xlh -Q=us-09-896-522-2 -DB=*seq -SUFFIX=pto
-OUT=align2_nuc -MINMATCH=0.1 -LOOPCL=0 -LOOPEXT=0 -UNITS=bits -START=1
-END=-1 -MATRIX=blosum62 -TRANS=human140.cdi -LIST=45 -DOCALIGN=200
-THR_SCORE=pct -THR_MAX=100 -THR_MIN=0 -ALIGN=45 -MODE=LOCAL -OUTFMT=pto
-NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=2000000000 -NCPU=6 -ICPU=3 -NO_XLPXY
-NEG_SCORES=0 -DSPBLOCK=100 -LONGLOG -DEV_TIMEOUT=120 -WARN_TIMEOUT=30
-THREADS=1 -XGAPOP=10 -XGAPEXT=0.1 -FGAPOP=6 -FGAPEXT=0.1 -YGAPOP=10
-YGAPEXT=0.1 -DELOP=6 -DELEXT=0.1
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Listing first 45 summaries
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Ygapop 10.0,
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/home/sdavid/sdavid-tmp/dectemp/swope522/6579708.seq:*
/home/sdavid/sdavid-tmp/dectemp/swope522/US09516448.seq:*
/home/sdavid/sdavid-tmp/dectemp/swope522/US09235076.seq:*
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US-09-516-448-2008
US-09-516-448-220
US-09-488-725B-6367
US-09-488-725B-6367
US-09-235-076-23923
US-09-235-076-23923
US-09-235-076-9667
US-09-488-725B-6860
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US-09-488-725B-8411
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Sequence 220, App
Sequence 3367, Ap
Sequence 30379, Ap
Sequence 24042, A
Sequence 23923, A
Sequence 6890, Ap
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Sequence 5593, Ap
Sequence 7018, Ap
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Sequence 4307, Ap
Sequence 4317, Ap
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Sequence 7130, Ap
Sequence 2048, Ap
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3427, 6263, 6173, 6286, 6100,	3360, 769, 966, 1107, 5599,	5785, 4150, 3474, 3363,	e 8644, e 7478, e 5709, e 5625,	8306 6550, 3853, 6204, 8160,	
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ALIGNMENTS

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Percent Similarity:
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Query Match:
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SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 1
LENGTH: 834
TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 1, Application US/09536647 Patent No. 6579708 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Ho, Yen Sen
APPLICANT: Johnson, Randall
TITLE OF INVENTION: No. 657.
FILE REFERENCE: GP50020
                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION NUMBER: US/09/536,647
CURRENT FILING DATE: 2000-03-27
                                                                                                                                                                                                                                                                                                         ORGANISM: Human FEATURE:
                                                                                                                                                                                                                                                                            NAME/KEY: CDS
LOCATION: (1)...(780)
                                                                                                                                                                                                                  No.:
61
                        21
                                                                         1 MetAlaSerAlaGlyGlyGluAspCysGluSerProAlaProGluAlaAspArgProHis
               GlnArgProPheLeuIleGlyValSerGlyGlyThrAlaSerGlyLysSerThrValCys
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Matches:
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RESULT 2
US-09-488-725B-7130
US-09-488-725B-7130
; Sequence 7130, Application US/09488725B
; GENERAL INFORMATION:
Tang
              APPLICANT: Chenghua Liu
APPLICANT: Radoje T. Drmanac
APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: From Various Libraries
FILE REFERENCE: 784
CURRENT APPLICATION NUMBER: US/09/488,725B
CURRENT FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR FILING DATE: 1998-01-07
PRIOR APPLICATION NUMBER: US 09/034,341
PRIOR FILING DATE: 1998-02-13
PRIOR APPLICATION NUMBER: US 09/034,341
PRIOR APPLICATION NUMBER: US 09/034,400
PRIOR APPLICATION NUMBER: US 09/045,400
PRIOR FILING DATE: 1998-03-20
PRIOR FILING DATE: 1998-03-20
PRIOR FILING DATE: 1998-03-26
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR FILING DATE: 1999-05-26
PRIOR APPLICATION NUMBER: US 09/3131,598
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APPLICANT: John Ti
APPLICANT: Ankura ;
APPLICANT: Chenghu ;
APPLICANT: Radoje ;
RENT FILING DATE: 2000-01-21
OR APPLICATION NUMBER: US 09/004,182
OR FILING DATE: 1998-01-07
OR APPLICATION NUMBER: US 09/034,341
OR FILING DATE: 1998-02-13
OR APPLICATION NUMBER: US 09/045,400
OR FILING DATE: 1998-03-20
OR FILING DATE: 1998-03-20
OR APPLICATION NUMBER: US 09/321,214
OR APPLICATION NUMBER: US 09/321,214
OR APPLICATION NUMBER: US 09/311,598
OR APPLICATION NUMBER: US 09/131,598
OR FILING DATE: 1998-08-10
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PRIOR APPLICATION NUMBER: US 09/170,294
PRIOR PILLING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: US 09/179,473
PRIOR PILLING DATE: 1998-10-27
PRIOR PILLING DATE: 1998-10-28
PRIOR FILLING DATE: 1998-10-28
PRIOR PILLING DATE: 1998-10-28
PRIOR APPLICATION NUMBER: US 09/235,076
PRIOR APPLICATION NUMBER: US 09/234,611
PRIOR APPLICATION NUMBER: US 09/234,611
PRIOR FILLING DATE: 1999-01-20
PRIOR APPLICATION NUMBER: US 09/234,611
PRIOR FILLING DATE: 1999-01-22
Remaining Prior Application data removed -
NUMBER OF SEQ ID NOS: 10289
SOFTWARE: pt CT_genes Version 1.01
SEQ ID NO 7130
LENGTH: 2152
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Best Local Similarity:
Query Match:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; NAME/KEY: misc_feature; LOCATION: (110)...(891); LOCATION: (110)...(891); OTHER INFORMATION: similar to gi471981 in the genepept database release 114; OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters US-09-488-725B-7130
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TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)...(2153)
OTHER INFORMATION: n = FEATURE:
FEATURE:
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FEATURE:

NAME/KEY: misc feature

LOCATION: (1)...(1648)

OTHER INFORMATION: n = F

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SEQ ID NO 2048
LENGTH: 1648
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION NUMBER: US/09/516,448
CURRENT FILING DATE: 2000-02-29
NUMBER OF SEQ ID NOS: 2050
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Robison, Keith
TITLE OF INVENTION: Novel
FILE REFERENCE: 5800-119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Homo sapiens
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                                                                                               ATCCTGAGCCAGGACAGGTTCTACAAGGTCCTGACGGCAGAGCAGAAGGCCAAGGCCTTG
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                                                     LysGlyGlnTyrAsnPheAspHisProAspAlaPheAspAsnAspLeuMetHisArgThr
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Best Local Similarity:
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PCT-US00-05988-220
; Sequence 220, Applic;
; GENERAL INFORMATION:
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LENGTH: 1310
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CURRENT FILING DATE: 2000-03-08
EARLIER APPLICATION NUMBER: 60/124,270
EARLIER FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 1890
SOFTWARE: Patentin Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Craig Rosen,
APPLICANT: Steve Ruben
TITLE OF INVENTION: Human Prostate Cancer Associated
FILE REFERENCE: PA101PCT
                                                                                                                                                                                                                                                                            TYPE: DNA
ORGANISM: Homo sapiens
227 GAACCATGGCCGGGGACAGCGAGCAGACCCTGCAGAACCACCAGCAGCCCAACGGCGGCG 286
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RESULT 5
US-09-488-725B-6367/c
US-09-488-725B-6367, Application US/09488725B
GENERAL INFORMATION:
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APPLICANT: Ankura Sinku
APPLICANT: Chenghua Liu
APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: From Various Libraries
FILE REFERENCE: 784
CURRENT APPLICATION NUMBER: US/09/488,725B
CURRENT FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR APPLICATION NUMBER: US 09/034,341
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APPLICANT: John Tillinghast
APPLICANT: Ankura Sinku
APPLICANT: Chenghua Liu
APPLICANT: Radoje T. Drmanav
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PRIOR APPLICATION NUMBER: US 09/170,294
PRIOR APPLICATION NUMBER: US 09/179,473
PRIOR APPLICATION NUMBER: US 09/179,473
PRIOR APPLICATION NUMBER: US 09/181,430
PRIOR APPLICATION NUMBER: US 09/181,430
PRIOR FILING DATE: 1998-10-28
PRIOR APPLICATION NUMBER: US 09/235,076
PRIOR APPLICATION NUMBER: US 09/234,611
PRIOR APPLICATION NUMBER: US 09/234,611
PRIOR FILING DATE: 1999-01-22
PRIOR FILING DATE: 1999-01-22
Remaining Prior Application data removed - NUMBER OF SEQ ID NOS: 10289
SOFTWARE: Dt CT_genes Version 1.01
SEQ ID NO 6367
LENGTH: 1316
TYPE: DNA
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; OTHER INFORMATION: similar to gi471981 in the genepept database
; OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
US-09-488-725B-6367
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NAME/KEY: misc feature
LOCATION: (1030)...(28
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OR APPLICATION NUMBER: US 09/045,400
OR FILING DATE: 1998-03-20
OR APPLICATION NUMBER: US 09/321,214
OR FILING DATE: 1999-05-26
OR FILING DATE: 1998-08-10
OR FILING DATE: 1998-08-10
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                               yGlnTyrAsnPheAspHisProAspAlaPheAspAsnAspLeuMetHisArgThrLeuLy
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GAAGGAGGAGACAGTTACTGTCTATCCCGCAGACGTGGTGCTCTTTGAAGGGATCCTGGC
                                                                                                          AGAATCACTGAAGGGAAAACAGTCCAGATCCCCGTGTATGAC
                                                                                                                                             sAsnIleValGluGlyLysThrValGluValProThrTyrAspPheValThrHisSerAr 122
                                                                                                                                                                                                                        CCAGTTCAACTTTGACCACCCGGATGCCTTTGACAATGAACTCATTCTCAAAACACTCAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                GATCGTGCAGCTCCTGGGGCAGAATGAGGTGGACTATCGCCAGAAGCAGGTGGTCATCCT
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US-09-235-076-30379

US-09-235-076-30379, Application US/09235076

¡ Sequence 30379, Application US/09235076

¡ GENERAL INFORMATION:
    APPLICANT: Hyseq, Inc.

¡ TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
    TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
    FILE-REFERENCE: 20411-756
    CURRENT APPLICATION NUMBER: US/09/235,076
    CURRENT FILLING DATE: 1999-01-20
    NUMBER OF SEQ ID NOS: 38054

NUMBER OF SEQ ID NOS: 38054
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Best Local Similarity:
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; LCCATION: (1)...(472)
; OTHER INFORMATION: n = A,T,C
US-09-235-076-30379
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                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH: 472
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                                                   48 GlyGlnAsnGluValGluGlnArgGlnArgLysValVallleLeuSerGlnAspArgPhe
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                                                                                                                   28 ValSerGlyGlyThrAlaSerGlyLysSerThrValCysGluLysIleMetGluLeuLeu
                                                                                                    GTGCGTGGAA--ANCGCCAGCGGGAAGTCGACCGTGTGTGAGAAGATCATGGAGTTGCTG
TyrLysValLeuThrAlaGluGlnLysAlaLysAlaLeuLysGlyGlnTyrAsnPheAsp
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                                  GGACAGAACGAGGTGGAACAGCGGCAGCGGAAGGTGGTCATCCTGAGCCAGGACAGGTTC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION NUMBER: US/09/235,076
CURRENT FILING DATE: 1999-01-20
NUMBER OF SEQ ID NOS: 38054
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 24042
LENGTH: 472
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 24042, Application US/09235076
GENERAL INFORMATION:
APPLICANT: Hyseq, Inc.
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TITLE OF INVENTION: NOVEL NUCLBIC
TITLE OF INVENTION: FROM VARIOUS
FILE REFERENCE: 20411-756
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME/KEY: misc_feature
LOCATION: (1)...(472)
OTHER INFORMATION: n = A,T,C or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
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                                                                                                                                                                                                                                                                                   9
aLysAlaLeuLysGlyGlnTyrAsnPheAspHisProAspAlaPheAspAsnAspLeuMe 97

        9LysValValIleLeuSerGlnAspArgPheTyrLysValLeuThrAlaGluGlnLysAl
        77

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                                                                                                                                       rThrValCysGluLysIleMetGluLeuLeuGlyGlnAsnGluValGluGlnArgGlnAr 57
                                                                                                                                                                                  GCCCAACGGCGAGCCCTTCCTTATAGGCGTCAGCGGGGGAACAGCTAGCGGCAAGTC
                                                                                                                                                                                                     g-----ProPheLeuIleGlyValSerGlyGlyThrAlaSerGlyLysSe
                                                    GCAGGTGGTCATCCTGAGCCAGGATAGCTTCTACCGTGTCCTTACCTCGGAGCAGAAGGC
                                                                                                                 TTCCGTGTGTGCTAAGATCGTGCAGCTCCTGGGGCAGAATGAGGTGGACTATCGCCAGAA 188
                                                                                                                                                                                                                                                 TGTACTGATCGCCTGCAGAATGCGCGGGGACAGCGAGCAGCAGCAGCACCAGCA
                                                                                                                                                                                                                                                                              CysGlu--SerProAlaPro-----GluAlaAspArgPro-----HisGlnAr
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38.59%
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CURRENT APPLICATION NUMBER: US/09/235,076
CURRENT FILING DATE: 1999-01-20
NUMBER OF SEQ ID NOS: 38054
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 23923
LENGTH: 455
TYPE: DNA
ORGANISM: Homo sapiens
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GENERAL INFORMATION:
APPLICANT: Hyseq, Inc.
APPLICANT: Hyseq, Inc.
TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
TITLE OF INVENTION: FROM VARIOUS CDNA LIERARIES
FILE REFERENCE: 20411-756
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME/KEY: misc_feature
LOCATION: (1)...(455)
OTHER INFORMATION: n =
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alGluGlnArgGlnArgLysValValIleLeuSerGlnAspArgPheTyrLysValLeuT
                                                                                                                                                                                                                            CAGCTAGCGGCAAGTCTTCCGTGTGTGCTAAGATCGTGCAGCTCCTGGGGCAGAATGAGG
                                                                                                                                                                                                                                                                                  eGluGlyIleLeuValPheTyrSerGlnGluIleArgAspMet
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                                                       TTGACAATGAACTCATTCTCAAAACACTCAAAGAAATCACTGAAGGGAAAAACAGTCCAGA
                                                                        heAspAsnAspLeuMetHisArgThrLeuLysAsnIleValGluGlyLysThrValGluV 112
                                                                                                              CCTCGGAGCAGAAGGCCCAAAGCCCTGAAGGGCCAGTTCAACTTTGACCACCCGGATGCCT
                                                                                                                               hrAlaGluGlnLysAlaLysAlaLeuLysGlyGlnTyrAsnPheAspHisProAspAlaP
                                                                                                                                                                                                                                                     hrAlaSerGlyLysSerThrValCysGluLysIleMetGluLeuLeuGlyGlnAsnGluV
                                                                                                                                                                                                                                                                                                  -----ProPheLeuIleGlyValSerGlyGlyT
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RESULT 9
US-09-235-076-9667/c
; Sequence 9667, Application US/09235076
; Sequence 9667, Application US/09235076
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBT.
; TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
; FILE REFERENCE: 20411-756
; CURRENT FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO 9667
* FENOTH: 470
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ORGANISM: Homo &
FEATURE:
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LOCATION: (1)...(470)
OTHER INFORMATION: n = A,T,C
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                      AspIleLeuAsnGlyAspIleCysLysTrp------His-Arg----GlyGlySer 243
                                                                                                                                    AAGTTTGTCAAGCCCTCCTTCGACCAGTACATCCAGCCCATGCGCCTGGCAGACATC
                                                                                                                                                                                                                           ValLeuArgAspVal---ArgArgGlyArgAspLeuGluGlnIleLeuThrGlnTyrThr 188
                                                                                                                                                                                                                                                                                            AspMetPheHisLeuArgLeuPheValAspThrAspSerAspValArgLeuSerArgArg
                                                                                                                                                                                                                                                                                                                                                            TyrProAlaAspValValLeuPheGluGlyIleLeuValPheTyrSerGlnGluIleArg
                                                                                              IleIleProArgGlyValAspAsnMetValAlaIleAsnLeuIleValGlnHisIleGln
                                                                                                                                                                                                                                                                                                                                                                                                        GTCAAGGTGCCCATTTATGACTTCACCACGCACAGCCGGAAGAAGGACTGGAAAACACTG
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                                                                  GTGGTCCCCAGAGGGAGCGCCAACACGGTGGCCATCGACCTGGCTGCAC------
                                                                                                                                                                  ThrPheValLysProAlaPheGluGluPheCysLeuProThrLysLysTyrAlaAspVal
                                                                                                                                                                                                      CTGCGCCGGGACATCAGTGAGCGCGGGCCGGGACATCGAGGGTGTCATCAAGCAGTACAAC
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-GTGCTGCACGAATTCCTACTACACTGGACTAGTGATCCATACGAATAGGGGGUTCG
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RESULT 10 US-09-488-725B-6890 ; Sequence 6890, Application ; GENERAL INFORMATION: US/09488725B

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; COTHER INFORMATION: similar to gi4589612 in the genepept database release 114,
; OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
US-09-488-725B-6890
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CURRENT FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR FILING DATE: 1998-01-07
PRIOR APPLICATION NUMBER: US 09/034,341
PRIOR FILING DATE: 1998-02-13
PRIOR APPLICATION NUMBER: US 09/045,400
PRIOR APPLICATION NUMBER: US 09/045,400
PRIOR FILING DATE: 1998-03-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Remaining Prior Application data removed NUMBER OF SEQ ID NOS: 10289

SOFTWARE: pt CT_genes Version 1.01

SEQ ID NO 6890

LENGTH: 2659

TYPE: DNA

ORGANISM: Homo sapiens
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APPLICANT:
APPLICANT:
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PRIOR FILING DATE: 1998-10-28
PRIOR APPLICATION NUMBER: US 09/235,076
PRIOR FILING DATE: 1999-01-20
PRIOR APPLICATION NUMBER: US 09/234,611
PRIOR FILING DATE: 1999-01-22
PRIOR FILING DATE: 1999-01-22
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APPLICANT: Radoje T. Drmanac
TITLE OP INVENTION: Novel Cont
TITLE OP INVENTION: From Var:
FILE REFERENCE: 784
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APPLICANT: John Tillinghast
APPLICANT: Ankura Sinku
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OR APPLICATION NUMBER: US 09/321,214
OR FILING DATE: 1999-05-26
OR APPLICATION NUMBER: US 09/131,598
OR APPLICATION NUMBER: US 09/170,294
OR APPLICATION NUMBER: US 09/170,294
OR FILING DATE: 1998-10-13
OR APPLICATION NUMBER: US 09/179,473
OR FILING DATE: 1998-10-27
OR PILING DATE: 1998-10-27
OR PILING DATE: 1998-10-27
294 ACTCTTGAGCCATCTTTAGGTCAAAATGGTTTTCAGCAGTGGTACGATGCTCTCAAGGCA 353
                                                                            235 GGACCGCGCCCCGG-CTGCTGCACCCTGGAGCCGGGAGTTGATACCAAGTTGAAATTC
                                                                                                                                                        175 AGGGCGGCGCGTGGGCACCATCCTGAGCAATGTGCTCAAGAAGCGCAGCTGCATTTCCC
                                                                                                                                                                                                                                      115 GGATGCGGCAGGACAAGCTGACCGGGTCTCTGAGGCGCGGGGGGGAGATGCCTGAAGCGGC 174
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                                                       ---ArgAspValArg-----ArgGlyArg-----
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APPLICANT: Ankura Sinku
APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: From Various Libraries
FILE REFERENCE: 784
CURRENT APPLICATION NUMBER: US/09/488,725B
CURRENT FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR APPLICATION NUMBER: US 09/034,341
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                                                                                                                                                                                        Sequence 6460, Application US/09488725B GENERAL INFORMATION:
                                                                                                                                                           APPLICANT: Yuanhua T. Tang
APPLICANT: John Tillinghast
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304.30
14.51%
10.04%
20.99%
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NAME/KEY: misc feature
LOCATION: (1318)...(4281)
OTHER INFORMATION: similar to gi3882237 in
OTHER INFORMATION: Run with FASTXY 3.3t00,
US-09-488-725B-6460
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NUMBER OF SEQ ID NOS: 10289
SOFTWARE: pt_CT_genes Version 1.01
SEQ ID NO 6460
LENGTH: 5773
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OR APPLICATION NUMBER: US 09/170,294
OR APPLICATION NUMBER: US 09/170,294
OR APPLICATION NUMBER: US 09/179,473
OR APPLICATION NUMBER: US 09/179,473
OR APPLICATION NUMBER: US 09/181,430
OR FILING DATE: 1998-10-28
OR APPLICATION NUMBER: US 09/235,076
OR APPLICATION NUMBER: US 09/235,076
OR APPLICATION NUMBER: US 09/234,611
OR APPLICATION NUMBER: US 09/234,611
OR FILING DATE: 1999-01-22
OR APPLICATION NUMBER: US 09/234,611
OR FILING DATE: 1999-01-2
                                                                                                                                                                                                                                                                                                                                                      74 TCTTGCTTGGTTCTCCCTCCACTGGGCGTGAGAGCCCCTGCCCAGGAGGCCCAGGACAAA 133
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                                  ----ArgGlnArgLysValVal----
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176	TGTCCAAGCTCACCATCC - ACAACATCACTCCAGGTGATASPValargLeuSecrargarg	136LeuPheGlug 139 1034 TTCAAGCAGTTACTATCAATGAAAGCAATTTCTTTGTCACACCAGAAATCATCTTTGAAG 1093 139 ly	96 euMet	61
RESULT 12 US-09-488-725B-5593 ; Sequence 5593, Application US/09488725B ; GEMERAL INFORMATION: ; APPLICANT: Yuanhua T. Tang ; APPLICANT: John Tillinghast ; APPLICANT: Ankura Sinku ; APPLICANT: Chenghua Liu ; APPLICANT: Radoje T. Drmanac ; TITLE OF INVENTION: Novel Contige Obtained ; TITLE OF INVENTION: From Various Libraries ; FILE REFERENCE: 784 ; CURRENT APPLICATION NUMBER: US/09/488,725B ; CURRENT FILING DATE: 2000-01-21	Db 2290 AAGCTATGCCGGTTCTCAAACGTTCCCAGCAGCGCCTGAGAGTCCCATTAGGCGGACCA 2349 Qy 262 euThrSerGlyLysArgSerHisLeu 270	CY	1870 TGCATATTTAGATATAGAATTCATGATGATCATTGCAAAGAACTATGTTCATGATGATCATAGATATTAGATATTAGAAATTCATACAGTATTGCAACCAAAGAACGTCATTGTTCACCCG 230 IleLeuAsn	1570 GTCATCTACACTTGTGAGTTCATCAGTGCCTATGGAGCCAGAGGCAGTGCAAACATAAAA 189ThrPheVallys

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PRIOR APPLICATION NUMBER: US 09/234,611
PRIOR FILING DATE: 1999-01-22
Remaining Prior Application data removed -
NUMBER OF SEQ ID NOS: 10289
SOFTWARE: pt CT genes Version 1.01
SEQ ID NO 5593
LENGTH: 5276
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DB:
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FEATURE:
FEATURE:
NAME/KEY: misc feature
LOCATION: (644)...(4326)
OTHER INFORMATION: similar to gi4589640 in the genepept database release 114,
OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
US-09-488-725B-5593
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FILING DATE: 1998-10-13
APPLICATION NUMBER: US 09/179,473
FILING DATE: 1998-10-27
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FILING DATE: 1998-01-07
APPLICATION NUMBER: US 09/034,341
FILING DATE: 1998-02-13
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APPLICATION NUMBER: US 09/131,598
FILING DATE: 1998-08-10
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                              AGGATCATCCATGCATCATGTGGACTGGAGGCTGCAGGAGAATTCCAGTTTTGGTATTCC
                                                                                                                                              GTCTCTGAGGCCCCCGTCTGCTGACTGCATGACAAACCCTAAAGGAAATGCCAATCGTGA 491
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   -ArgPhe----
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                                           AAAGCCAGTATGATTTCAGATATGTTCACTGTTGTAGGATTTGTGTGCCAAGATCCTGCC 1686
                                                                                                                                                             AGCAGTTGTTTTGAACTCTATGGCTTTGACGTGCTCATAGATTCTACTCTGAAGCCATGG 1568
                                                                                                                                                                                          --GluGluPhe-----
                                                                                                                                                                                                                                                                                ACAAGAAGGCAGAGATACAACCGCATTGATGGCCCCATGTAGAAGACCTGATCATTAAGAC
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RESULT 13
US-09-488-725B-7018
                    PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR FILING DATE: 1998-01-07
PRIOR APPLICATION NUMBER: US 09/034,341
PRIOR FILING DATE: 1998-02-13
PRIOR APPLICATION NUMBER: US 09/045,400
PRIOR APPLICATION NUMBER: US 09/045,400
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR FILING DATE: 1999-05-26
PRIOR APPLICATION NUMBER: US 09/131,598
PRIOR APPLICATION NUMBER: US 09/170,294
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: US 09/179,473
PRIOR APPLICATION NUMBER: US 09/179,473
PRIOR APPLICATION NUMBER: US 09/181,430
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PRIOR FILING DATE: 1998-10-28
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PRIOR FILING DATE: 1998-10-28
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                                                                                                                                                                                                                                                                                                                                                                                                                FILE REFERENCE: 784
CURRENT APPLICATION NUMBER: US/09/488,725B
CURRENT FILING DATE: 2000-01-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Chenghua Liu
APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: From Various Libraries
OR FILING DATE: 1999-05-26
OR APPLICATION NUMBER: US 09/131,598
OR APPLICATION NUMBER: US 09/170,294
OR APPLICATION NUMBER: US 09/170,294
OR FILING DATE: 1998-10-13
OR APPLICATION NUMBER: US 09/179,473
OR APPLICATION NUMBER: US 09/181,430
OR APPLICATION NUMBER: US 09/181,430
OR APPLICATION NUMBER: US 09/235,076
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; PRIOR FILING DATE: 1999-01-20
; PRIOR APPLICATION NUMBER: US 09/234,611
; PRIOR FILING DATE: 1999-01-22
; Remaining Prior Application data removed - See
; NUMBER OF SEQ ID NOS: 10289
; SOFTWARE: pt CT_genes Version 1.01
; SEQ ID NO 7018
; SEQ ID NO 7018
; SEQ ID NO 7018
; SEQ ID NO 7018
; CROANISM: Homo sapiens
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                                                 ACACGTACTCTATGGTAGCTGTACCTCTGTATGACACCTTGGGGACCAGAAGCCATCGTAC 742
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234 1700	THISTIEGlnaspIleLeuasn	225 1641
225 1640	eProArgGlyValAspAsnMetValAlaIleAsnLeuIleValGl	210 1582
210 1581	ThriysLysTyrAlaAspVallleIl	202 1522
201 1521	-PheCy8LeuPro	. 198 1462
197 1461	AlaPheGluGluAlaPheGluGlu	188 1402
187 1401	leleuThrGlnTyr	183 1342
183 1341	ArgValLeuArgAspValArgArgGlyArgAspLeuGluGlnI ::: ::: :::	169 1282
168 1281	LeuArgLeuPheValAspThrAspSerAspValArgLeuSerArg :: ::: ATTCGGTTGCTGGCTGACGACATGAAGACTTTGAAGCCCACATTGTTTCCCGCGGTGCCT	154 1222
153 1221	lyIleLeuValPheTyrSerGlnGluIleArgAspMetPheHis	139 1163
139 1162		130 1103
130	alThrHisSerArgValT:: :: :: :: ::	118 1043
118 1042	PheV	114 983
113 982	TATATGATGCTGAGAACCTAGGCAAAGAGCACTTCAGAAAACCTGTGCCTCCTAGCCCAG	107 923
106 922	spalaPheAspAsnAspLeuMetHisArgThrLeuLysAsnIleValGlu	90
90	laLeuLysGlyGlnTyrAsnPheA:pHisProA:	79 803
802	ATATTGTCAACAAGGCTGATATCGCCATGGTGATCTGTGACACACCCCCAAAAGGCATTGG	743

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Alignment Scores:
Pred. No.:
Score:
Percent Similarity:

3.16e+04 298.10 15.06%

Length: 6050 Matches: 152 Conservative: 48

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	INFORMATIO INFORMATIO INFORMATIO -725B-4307	TON: (1)	TYPE: DNA. OGGANISM: Homo sapiens	xz	REC	Prior App	APPLICATION N	APPLICATION N	APPLICATION NUMBER: US FILING DATE: 1998-10-28	APPLICATION N	APPLICATION N	APPLICATION NUMBER: US FILING DATE: 1998-08-1	APPLICATION N		APPLICATION NUMBER: US 09/034, FILING DATE: 1998-02-13	FILING DATE: 1998-01-07	FILING DATE: 2000-01-21	REFERENCE: 784	OF INVENTION: NO	APPLICANT: Chengnua Liu APPLICANT: Radoje T. Drmanac		APPLICANT: Yuannua T. Tang APPLICANT: John Tillinghast	725B-4307 4307, Applicat INFORMATION:	2121 TAAAACTTTTGAACAGGTCAAAGCCATTTTTCTTCATCCAGAGCCATTTTCCAT 2174		2061 CCAAGTTGTAAGGGAAGCCATTTTAGAAGACTTGCAGAAAATTGGGAAAGAAA	263 ThrSerGlyLyBArgSerHis-LeuGlu 271	2001 ACTTCCCTCATTTGCAGCCAAGCTTGGGGTGAAGGGCTCCTTTGAGGAACTGTGCCAAAA 2060	260 262	1941 TGTACACGGGAGAGCTTACGGTCATCCTTAGTAGGAGTGGTGGTTCCTGACACAGATGT 2000	256 GlyAsp	1881 CATTGCACCAGAGAAGATAGAAAATATCTACAACAGGAGTCAACCAGTGTTACAAATTTT 1940	253 255

		70	Y 63 63 Y 63 63 D 2054 CGTCTTGATGCCTTGATTTACATAATAGGACTCATTGCAGACCGGAAATTTCAGCATTT 2113 D 64TyrLysVa 70	Habit Gilvaldudin Arguinarguys - valvalile leuser 63	TREATER TO THE ALASE TO THE ALASE TO THE ALASE TO THE ALASE TO THE ALASE TO THE ALASE TO THE ALASE TO THE ALASE TO THE ALASE TO THE ALASE THE ALASE TO THE ALASE THE A	Y 20 His 26 Y 20 His 26	Y 12 14 b 1574 ACATCGGTCATCTCTGGAATCTAAAGATAAAGGAGAAAAGAACTTTGCCATGTCCTATGT 1633 Y 15 Glualaasparg	est Local Similarity: 11.45% Mismatches: 75 uery Match: 20.56% Indels: 1055 B: 1 s-09-896-522-2 (1-277) x US-09-488-725B-4307 (1-6050) y 3 SerAlaGlyGly	
RESULT 15 US-09-488-725B-8411 (US-09-488-725B-8411, Application US/09488725B ; GEMERAL INFORMATION: ; APPLICANT: Yuanhua T. Tang ; APPLICANT: John Tillinghast ; APPLICANT: Ankura Sinku ; APPLICANT: Chenghua Liu	Cy 250	3250 GTGATATGTGGTACAAGCTTGGTCAGAAAAATCTGCTTCATCCCAGGCATGGTAGGAC 247 rTyrLysArgThrPheSerGluProGlyAspHisPro		Db 3010 CCATGAGCATGGTTCAAAACAGGGTCTTCCTGAGAGCTATCAACAAGTTTGCAGAAACCA 3069 Qy 209 leIleProArg	::: 2892 TACTCCTTCTACATTGAGACCTTCCAGACCAGCTCTGAACTTGTGGACTTCTTGATGG 196 luGluphe	Cy 1/0		Qy .125 GluThrThrValValTyrProAlaAspValValLeuPheGlu 138	

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; NAME/KEY: misc_feature; LOCATION: (10)...(5536)
; OTHER INFORMATION: similar to gi1504002 in the genepept database release 114,
; OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
US-09-488-725B-8411
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PRIOR FILING DATE: 1998-01-07
PRIOR PAPPLICATION NUMBER: US 09/034,341
PRIOR FILING DATE: 1998-02-13
PRIOR PAPPLICATION NUMBER: US 09/045,400
PRIOR APPLICATION NUMBER: US 09/045,400
PRIOR PILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR FILING DATE: 1999-05-26
PRIOR APPLICATION NUMBER: US 09/131,598
PRIOR PILING DATE: 1998-08-10
PRIOR PILING DATE: 1998-08-10
PRIOR APPLICATION NUMBER: US 09/170,294
PRIOR PILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: US 09/179,473
PRIOR APPLICATION NUMBER: US 09/181,430
PRIOR APPLICATION NUMBER: US 09/181,430
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PRIOR PILING DATE: 1998-10-29
PRIOR PILING DATE: 1998-10-20
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PRIOR PILING DATE: 1998-10-20
PRIOR APPLICATION NUMBER: US 09/235,076
PRIOR APPLICATION NUMBER: US 09/234,611
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Remaining Prior Application data removed -
NUMBER OF SEQ ID NOS: 10289
SOFTWARE: pt_CT_genes Version 1.01
SEQ ID NO 8411
LENGTH: 6057
TYPE: DNA
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TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: From Various Libraries
FILE REFERENCE: 784
CURRENT APPLICATION NUMBER: US/09/488,725B
CURRENT FILING DATE: 2000-01-21
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1821 TTCTGTCAGCTCCCGGGATGTGTTCTCCATTTCCACCCTGGTGTGCTCCACAAAGCTCAC 1880
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                                                                     ACACCATGTGGAAAACAAGGGGGCCACGCTGAGCAGGAGCTCCAGCAGTGTTGGGGGGGCT 1820
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                        -----ThrAlaSerGlyLys-------SerThr---ValCysGlu---LysIleMe 44
                                                                                                   -----GlyValSerGlyGly----- 31
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ਰਾ	2061 CGTCTTTGATGCCTTGATTTACATAATAGGACTCATTGCAGACCGGAAATTTCAGCATTT 2120	ö
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ৼ	70 lleuThrAlaGlu 77	
σ	2181 ATTGATGACAGTGCTGAAGACTTACTTGGATACCTCCAGCAGAGGGGAGCAATGTGAGCC 224	6
3	78LysGlyG 83	
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হ	83 lnTyrHisProAsp 90	
ř	2301 ATTATTTTCACAGCTTTATGAAGGCAAAGAACAGATGGAGTTTGAAGAATCCATGAGACG 236	
¥	1 Ala-PheAspAsnAspLeuMetHisArgThr	
ŏ	CTCT-TUAATCCATCAACAATCTGATGAAAAGTCAATACAAAACTACCATCCTTTTGCA	č
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ř	2541 GAAGCAGAAAGTACAGTCTATGAATGAGATAGTCCAGAGCAACCTCTTTAAAAAAGCAA 259	8
	139GlyIleLeuValPheTyrSerGlnGluIleArg 149	•
ř	2599 GAATGCCGGGACATTCTGCTTCCTGTCATCACCAAAGAGCTGAAGGAGCTGCTGGAGCAG 265	8
¥	150AspMetPheHis 155	٠.
ŏ	2659 AAGGATGACATGCAACACCAGGTCCTGGAGAGGAAGTACTGCGTTGAATTGCTCAACAGC 27	718
¥	156LeuPheValAspThr-AspSerAspValArgLeuSerArgArg 169	v
ŏ	2719 ATCTTGGAAGTCCTTAGCTACCAGGATGCGGCCTTCACCTACCACCATATCCAAGAGATC 2778	78
¥	170ValleuArgAspValArgArgGlyArgAsp 179	Ψ
ъ	2779 ATGGTCCAGCTGCTGCGGACAGTGAACCGGACAGTCATCACCATGGGCCGGGATCACATT 283	8
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ъ.	2899 TACTCCTTCTACATTGAGACCTTCCAGACCAGCTCTGAACTTGTGGACTTCTTGATGG 29	56

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CURRENT FILING DATE: 2000-01-21
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APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: From Various Libraries
FILE REFERENCE: 784
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OR FILING DATE: 1998-02-13
OR APPLICATION NUMBER: US 09/045,400
OR FILING DATE: 1998-03-20
OR APPLICATION NUMBER: US 09/321,214
OR FILING DATE: 1999-05-26
OR APPLICATION NUMBER: US 09/131,598
OR FILING DATE: 1998-08-10
OR APPLICATION NUMBER: US 09/170,294
OR APPLICATION NUMBER: US 09/170,294
OR FILING DATE: 1998-10-13
                                           APPLICATION NUMBER: US 09/235,076
FILING DATE: 1999-01-20
APPLICATION NUMBER: US 09/234,611
FILING DATE: 1999-01-22
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             Prior Application data removed - SEQ ID NOS: 10289
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LENGTH: 2124
TYPE: DNA
ORGANISM: Homo sapiens
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NAME/KEY: misc feature
LOCATION: (106)...(154
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            GAAGATCAGTGAGCAGATTGTCATTGGCACCCCTGGGACTGTGCTGGACTGGTGCTCCAA
                                         AlaAsp-----
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297.90
19.24%
13.95%
20.54%
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; OTHER INFORMATION: similar to gi5701850 in the genepept database release 114, ; OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters US-09-488-725B-7320
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                                                                                                                                   TCTCTCCCCAACGTATGAGCTCGCCCTCCAAACAGGAAAAGTGATTGAACAAATGGGCAA
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                                                                                      Leu----ProGluThrThrValValTyr
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                                           ATTTTACCCTGAACTGAAGCTAGCTTATGCTGTTCGAGGCAATAAATTGGAAAGAGGCCA
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-ValValLeu---
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                                                                                                                                        Sequence 8009, Application US/09488725B GENERAL INFORMATION:
             APPLICANT: Chenghua Liu
APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: From Various Libraries
FILE REFERENCE: 784
                                                                                        APPLICANT: Yuanhua T. Tang
APPLICANT: John Tillinghast
APPLICANT: Ankura Sinku
CURRENT APPLICATION NUMBER: US/09/488,725B
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NUMBER OF SEQ ID NOS: 10289
SOFTWARE: pt_CT_genes Version 1.01
SEQ ID NO 8009
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PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR FILING DATE: 1998-01-07
PRIOR APPLICATION NUMBER: US 09/034,341
PRIOR FILING DATE: 1998-02-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION NUMBER: US 09/045,400 PRIOR FILING DATE: 1998-03-20 PRIOR APPLICATION NUMBER: US 09/321,214 PRIOR FILING DATE: 1999-05-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION NUMBER: US 09/179,473
PRIOR FILING DATE: 1998-10-27
PRIOR APPLICATION NUMBER: US 09/181,430
PRIOR FILING DATE: 1998-10-28
PRIOR APPLICATION NUMBER: US 09/235,076
PRIOR FILING DATE: 1999-01-20
PRIOR FILING DATE: 1999-01-20
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PRIOR FILING DATE: 1998-08-10
PRIOR APPLICATION NUMBER: US 09/170,294
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LOCATION: (167)...(2007)
OTHER INFORMATION: Bimilar to gi458255 in the genepept database release 114,
OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
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OTHER INFORMATION: n = a,t,c
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3684
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                                                                           CTTGAATGAAATCATTGGAGGCCAACCATGCCCCAGCTGCCTGTTTGTAACGGAAAATCA 3685
                                                                                                                                                       TCCTTTGGGGAGTTGATAAGAGCTGGACTĠĠĠÁĊĊAGCGGAĠĠĠGGCTCAGGACTTTGGC 3745
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Matches:
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	2980 TGAGATGAAAGGAGTTTCTTCACATTTTGCCATGTGTATACAAGAATGGGGTGCTGGGAG 2921 126	AATAACTACTGCCCCTCCTCCCGCCATGGCAGCTCGTGTCATCAGTCCTCCTCTACCTGC	126 126 3160 ACCTTTTTGGGATCCAGGCTAGGAATTGATTTTTTTTTT	121 126	100 rLeuLysasnIleValGluGlyLysThrVal	88PheAspA 94	62 uSerGlnAspArgPheTyrLysValLeuThrAlaGluG 75
RESULT 18 US-09-488-725B-5757 Sequence 5757, Application US/09488725B GENERAL INFORMATION: APPLICANT: Yuanhua T. Tang APPLICANT: Yuanhua T. Tang APPLICANT: John Tillinghast APPLICANT: Chenghua Liu APPLICANT: Chenghua Liu APPLICANT: Radoje T. Drmanac TITLE OF INVENTION: Novel Contigs Obtained TITLE OF INVENTION: From Various Libraries FILE REFERENCE: 784 CURRENT APPLICATION NUMBER: US/09/488,725B CURRENT FILING DATE: 2000-01-21 PRIOR APPLICATION NUMBER: US 09/004,182 PRIOR APPLICATION NUMBER: US 09/004,182 PRIOR APPLICATION NUMBER: US 09/034,341 PRIOR APPLICATION NUMBER: US 09/034,341 PRIOR FILING DATE: 1998-03-20 PRIOR FILING DATE: 1998-03-20 PRIOR FILING DATE: 1998-03-20 PRIOR FILING DATE: 1998-03-26	Qy 272SerSerSerArgProHis 277	257	Qy 239 isArg	Qy 218 ValAlaIle	2321 CAGGAGGTCCCATCCTCCTCCTCCCCAGAGCTTAGAAAGTATATGGAGAGGTTCCAAAG 216AgnMet : : : 2261 GCCAGGGGTGGTTCCCAAGCTTTCCCAGATCCTGGGAGAAAAGGCCCTGGAAAATTTA	Db 2441 CADATATGGATGGCAATGACCTCCTCAGCAAACAGAGATTTGGGCCTACCCTATTAGGCT 2382 Qy 206AlaAspValIleIleProArgGlyValAsp215 Qy 216CTGGGGACACAGTAGCACCTTTGGCAGTTGATTATAGTGGGTGACTAACAAGCTGGGTC 2322 Qy 215	2561 CATACAATAAGGGCACTGCTTGTACCCAGTTCTTGGGAAGCCACAGTCATCAGCAACTCT 198

----IleValGluG

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PRIOR APPLICATION NUMBER: US 09/131,598
PRIOR PILING DATE: 1998-08-10
PRIOR PILING DATE: 1998-10-13
PRIOR PILING DATE: 1998-10-13
PRIOR PILING DATE: 1998-10-27
PRIOR APPLICATION NUMBER: US 09/179,473
PRIOR APPLICATION NUMBER: US 09/181,430
PRIOR APPLICATION NUMBER: US 09/235,076
PRIOR PILING DATE: 1998-10-28
PRIOR PILING DATE: 1999-01-20
PRIOR PILING DATE: 1999-01-20
PRIOR PILING DATE: 1999-01-22
PRIOR PILING DATE: 1999-01-22
Remaining Prior Application data removed - 1
NUMBER OF SEQ ID NOS: 10289
SOPTWARE: pt CT genes Version 1.01
SEQ ID NO 5757
LENGTH: 2932
TYPE: DNA
COCANITAN: US 09/1872
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PEATURE:
PEATURE:
INAME/KEY: misc feature
LOCATION: (152)...(1752)
OTHER INFORMATION: similar to gi5834428 in
TOTHER INFORMATION: Run with FASTXY 3.3t00,
US-09-488-725B-5757
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                                 TACCGTTGAGAGTCTTAGTAAAAGAATTCCAGGAAATAATAACTTTGTCAAGTCCAAGAC
                                                                                               CAAGATAACTGGAGAGCCTCTCTACAATGCTGTGGTGTGGCTTGATCTAAGAACCCAGTC 513
 HisProAspAla-
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                                                               -ThrAlaGluGlnLysAlaLysAlaLeuLysGlyGlnTyrAsnPhe-----
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AGGCCTTCCACTTAGCACTTACTTCAGTGCAGTGAAACTTCGTTGGCTCCTTGACAATGT 633
                                                                                                                                                                                                                                                GATGCCATGAATCGAGACTGTGGAATTCCACTCAGTCATTTGCAGGTAGATGGAGGAATG 1454
                                                                                                                                                                                                                                                                                                              AlaAspValIleIlePro-----ArgGly-----ValAspAsnMetValAla---Il
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                                                                                ArgSer---HisLeuGluSerSerSerArg-----
                                                                                                                GAAGCCCTCAATGCCCGAAACCÁCTGCACTGGGTGCGGCTATGGCGGCAGGGGCTGCAGA
                                                                                                                                              Glu-ProGly-----AspHis---ProGly----MetLeuThrSerGly-----Lys
                                                                                                                                                                                ACC--AGCAACA--AAATTCTTATGCAGCTACAAGCAGACATTCTGTATATACCAGTAGT
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                                                  AGGAGTCGGCGTATGGAGTCTCGAACCCGAAGGATTTGTCTGCCCGTCAC 1620
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171

----PheTyrSe

873 130 813 120 753 115 693 107

HisLeuArgLeu

1052 156 993 145 933

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------ileCys----LysTrpHisArgG

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APPLICANT: Chenghua Liu
APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: Prom Various Libraries
FILE REFERENCE: 784
CURRENT FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US/09/488,725B
CURRENT FILING DATE: 1998-01-07
PRIOR APPLICATION NUMBER: US 09/04,182
PRIOR APPLICATION NUMBER: US 09/04,341
PRIOR APPLICATION NUMBER: US 09/045,400
PRIOR FILING DATE: 1998-03-20
PRIOR PRIOR DATE: 1998-03-20
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR APPLICATION NUMBER: US 09/311,598
PRIOR FILING DATE: 1998-05-26
PRIOR FILING DATE: 1998-08-10
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Best Local Similarity:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION NUMBER: US 09/170,294
PRIOR FILLING DATE: 1998-10-13
PRIOR FILLING DATE: 1998-10-27
PRIOR APPLICATION NUMBER: US 09/179,473
PRIOR APPLICATION NUMBER: US 09/181,430
PRIOR APPLICATION NUMBER: US 09/235,076
PRIOR APPLICATION NUMBER: US 09/235,076
PRIOR APPLICATION NUMBER: US 09/236,076
PRIOR FILLING DATE: 1999-01-20
PRIOR APPLICATION NUMBER: US 09/236,076
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Remaining Prior Application data removed NUMBER OF SEQ ID NOS: 10289
SOFTWARE: pt CT_genes Version 1.01
SEQ ID NO 4967
TLENGTH: 6506
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR FILING DATE: 1999-01-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Yuanhua T. Tang
APPLICANT: John Tillinghast
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LOCATION: (6509)...(246)
OTHER INFORMATION: similar to gi2224591 in the genepept database release
OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
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        38 hrValCys----
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APPLICANT: John Tillinghast
APPLICANT: Ankura Sinku
APPLICANT: Chenghua Liu
APPLICANT: Radoje T. Drmana
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CURRENT FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR FILING DATE: 1998-01-07
                                                                                                                                                                                                                                                               TITLE OF INVENTION: NOVEL TITLE OF INVENTION: From FILE REFERENCE: 784
                                    PRIOR
                                                 OR FILING DATE: 1998-02-13
OR APPLICATION NUMBER: US 09/045,400
OR FILING DATE: 1998-03-20
OR APPLICATION NUMBER: US 09/321,214
OR APPLICATION NUMBER: US 09/321,214
OR FILING DATE: 1999-05-26
OR APPLICATION NUMBER: US 09/131,598
OR FILING DATE: 1998-08-10
                                                                                                                                                                         APPLICATION NUMBER: US 09/034,341
APPLICATION NUMBER: US 09/170,294
FILING DATE: 1998-10-13
APPLICATION NUMBER: US 09/179,473
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NAME/KEY: misc feature;
IOCATION: (6509)...(246)
COTHER INFORMATION: similar to gi2224591 in the genepept database release 114,
COTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
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NUMBER OF SEQ ID NOS: 10289
SOFTWARE: pt_CT_genes Version 1.01
SEQ ID NO 4967
LENGTH: 6506
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PRIOR APPLICATION NUMBER: US 09/181,430
PRIOR FILING DATE: 1.998-10-28
PRIOR APPLICATION NUMBER: US 09/235,076
PRIOR FILING DATE: 1999-01-20
PRIOR APPLICATION NUMBER: US 09/234,611
PRIOR FILING DATE: 1999-01-22
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ORGANISM: Homo sapiens
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                                                GAGAGTGGAGCCCCTACGCAATGAGCTGCAGAAGCTGGAAGATGACGCCCAAGGACAACCA 3902
                                                                                                                                                                     GAAGAAAATTACATGTCCAATCCAAGTTACAATTATGAAATTGTGAATCGGGCTTCCCT 4022
                                                                                                                                                                                                                                                                                                                         uLeuGlyGln-----
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                                                                                                            GGCTTGCGGCCCTATGGTGAAATGGGCAATTGCACAGCTTAACTATGCAGACATGTTAAA 3962
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20.26%
-AsnGluValGluGln--
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171 uArgAspValArgArgGlyArg	163 AspValArgLeuSerArgArgValLe 171 :::	157	152 156	141 LeuValPheTyrSerGlnGluIleArgAspMet 151 :::	129 ITyrProAlaAgpValValLeupheGluGly	123GluThrThrValVa 129	120	GAGATTCGGTAACCCCCTTCTGGTCCAGGATGTGGAAAGCTACGATCCAGTTTTGAACCC	3361 TAAGATCACACGGACCAGCTTCCTGGATGACGCCTTCAGAAAGAA		104IleValGluGlyLysThrValGlu	3481 GCCTGCTGATGACCTTTGCACAGAAAAATGCCATCATGCTGAAACGATTCAATAGGTATCC 3422	TGCCAGGACGAATACCTTTCCAATGCTGATGAGCGTCTTCGCTGGCAGGCCAGCTCCTT	LeumetHis	92AsnAsp 95 3661 TCTCTTGTCAGCTGCGTTCATTGCCTACGCGGGTTACTTTGACCAGCAGATGCGTCAGAA 3602			3901 GCAGAAGGCCAACGAGGTGGAGCAGATGATCCGAGACCTGGAAGCCAGCATCGCCCGCTA 3842 55 -ArgGlnArgLysValValIleLeuSerGlnAspArgPheTyrLysValLeuThrAl 73 :::::
Qy 247	239	GGTGGCT	L	ь	226Hisliedinasple	2111 CGCTCGACCTGACCCCAAATTGTGGGCACAGAGGTGAAGCCCCAACACTCCTGTCTTAATGT	2171 TGGCCCACATGTTTGTTTCAACAAACCTTGGGGAGTCTTTCATGTCCATCATGGAGCAGC	Db 2231 GCCAGGCCATCCACCGCCTGCTCCTGATCCAGGCTTTCCGGGCCCGATCGCCTGTTGGCCA 2172	QY 225 225	225	Qy 225 225 Db 2351 TTAAGGACTTGATTGCAAAGGTTCAGGCAGACGAGCAATTTGGCATCTGGCTGG	2411 TCCAGGGCCTGACTGTGGAGCCAGGCGGAGGCGGTGGTGAGGCTGAGCTGCCTTCCCGCGT	N	2531 CCATGCTGCCAGGAATCAAACTGAAGGGCACCGTGGGGGAGCCCACCTACGATGCAG	Qy 211 roArgGlyValAspAsnMetValAlaIleAsnLeuIleValGln 225	GluPheCysLeuProThrLysLysTyrAlaAspValIleIleP	Qy 186 GlnTyrThrThrPheValLysProAlaPheGlu 196	Qy 179LeuThr 185

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Percent Similarity:
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Query Match:
DB:
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us-09-896-522-2 (1-277) x US-09-488-725B-5251 (1-2996)
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CURRENT FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR FILING DATE: 1998-01-07
PRIOR APPLICATION NUMBER: US 09/034,341
PRIOR FILING DATE: 1998-02-13
PRIOR APPLICATION NUMBER: US 09/045,400
PRIOR APPLICATION NUMBER: US 09/045,400
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR APPLICATION NUMBER: US 09/31,598
PRIOR FILING DATE: 1998-08-10
PRIOR APPLICATION NUMBER: US 09/131,598
PRIOR FILING DATE: 1998-08-10
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US-09-488-725B-5251
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                                                                                                                                              Alignment Scores:
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SOFTWARE: pt CT genes Version 1.01
SEQ ID NO 5251
LENGTH: 2996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 5251, Appl. GENERAL INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Ankura Sinku
APPLICANT: Chenghua Liu
APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: From Various Libraries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Yuanhua T. Tang
APPLICANT: John Tillinghast
                                                                                                                                                             FEATURE:
NAME/KEY: misc_feature
NAME/KEY: misc_feature
LOCATION: (2555)...(2220)
COTHER INFORMATION: similar to gi3880026 in the genepept database release
OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILE REFERENCE: 784
                                                                                                                                                                                                                                                                                          ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                               TYPE: DNA
                                                                                                                             No.:
                                                                                                                                                                                                                                                                                                                                                                                                                                                     OR APPLICATION NUMBER: US 09/170,294
OR FILING DATE: 1998-10-13
OR APPLICATION NUMBER: US 09/179,473
OR APPLICATION NUMBER: US 09/181,430
OR APPLICATION NUMBER: US 09/181,430
OR FILING DATE: 1998-10-28
OR APPLICATION NUMBER: US 09/235,076
OR APPLICATION NUMBER: US 09/235,076
OR FILING DATE: 1999-01-20
OR FILING DATE: 1999-01-20
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| CAGAGAGAGCTGAGGGTTCTCTATGTATCACAAGGCATTTCCTACATAGACTGAGGGGT
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                                                                                                                                                                                                                                                                           ------SerArgLeuProGlu-----ThrThrValValTyrProAla--
                                                                                                                                                                                                                                                                                                               AATAACATTTTCATAACAGAATATCAAAATAGGTCCATTTTTGATATATGCTTATGAATA 1312
                                                                                                                                                                                                                                                                                                                                                                                       GTCAGGATCTGTTTTCTTTAGCAGATTCAAGGGGGAAAAATAATAATTATTGGGGTTCT 1252
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                                                                                          CAGGAAGCCCTGTGAGCACTÁCÁGTACTGÁÁÁTTCTAATTCTAGTGCCAATAGÁATCATG
                                                                                                                                                                 AGACCCGGTCTGTTTTCTAGGCAGCAGAGAGGGA--CTAGTATACGGGCAAATGTTCTC 1430
                                                                                                                                                                                                   -AspValValLeuPhe-----GluGlyIleLeuValPhe-----
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                                                                                                                              ----TyrSerGlnGluIle-----
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                                                        ----ArgLeuPheValAspTh
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51	250ArgThr
249	247 rTyrlys
247 2570	241GlyGlySerAsn-GlyArgSe
2510	::: ANGCCAGAACTGTGTCGTATTCATCTGTCAGGAATAAGACATCTAGATCTCCATACATTT
240	•
239 2450	233His
232 2390	
219 2330	208 lileIleProArgĠlyValAspAsnMetValAl :::
208 2270	199 ysLeuProThr
199 2210	198
2150	2091 AGAGGAGGACGGAAAGGGGGCCAAATGTGAACCACACCTCTTTTATTCCAAGAATGGGAA
197	197
2090	2031 CATCCACACGGTGGCTACTGCAGCTAAAGAGAATGAAGGGGAGGCGCGAGGCCTCTCCAAAC
197	197
2030	1971 AGAAGTCTGTGGAATGAGCTGCATCAGCTGAGTCACAGAGGACGCTGGCTG
197	197
1970	1911 AAAATCAAACTTAAAAACTATGCAAATAACCCTGGGTGCACTGGAGTAGGAGTACACTGG
197	197
1910	1851 ACACATCTGGGAGTGAAATAACAGATCATTAAACAAGACCCCAATTTGCTTTCTCAAAAC
197	197
197 1850	193 TOATREPREGIUGIU
1790	CCCAAGGCACCACGATCATAGGGGCGAGGGGACCTGTAGAGGTTTTAGGTGACGGGAAGA
193	hrGlnTyrThrThrPheVal
185 1730	172ArgAspValArgArgGlyArgAspLeuGluGlnIleLeuT
1670	1611 TGGCTACTCTGGAGGTTGGGCCTAGAGAAAACAAGCCCCCAAGATCCTTTCTAAGCTATGA
171	171 eu
171	150 TABPSETASPVALATGLEUSETArgArgVall

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Qy 102 sAsnIleValGluGlyLysThrValGluValPro 1	Db 1915 CCCTACAGAGCTTTTGTTGCCAATTGAAAAAACAAAAAAATCCCAACACAGGATGTTCAAA 1	_ē	Db 1975 GTATTTCCACAAAATACATAATGTCTTACAGATGATTATGTGAACTTTAAATGTCTGCAG 1	Qy 89Pro 94	Db 2033 TTGCATTAATCAAAAAATAGCAAATCCATATAATGGCAAAATCAGGAAAAAATTCTA 1	Qy 86 heAspHis 88	2093 GTTAGTATTCAACACTTTAATATTTATGGTGTATCACATAAAAAACAAGTCATATACTT 2	81TyrAsnP	Oy 75	2213 CGATTTAGAAAGATGTTAAGACACACACTAGATACAAATGAAACCCATCCTGCTCCCTTC	66 ArgPheTyrLysValLeuThrAlaGlu	Db 2273 AAGGAGGGAAGAGTAAAATGAGGGAGACAGACAGGAAGTTAAACTATGCAGTTACACTGC 2	Qy 65 65	2333 CAAGACTAAGGATGCTG		Db 2393 CCTTCCACACTCCGAATTCTTTCAAGGCAGGATGAAAAAGAGACCCACAGAANGCTGAAG 233	53	2453 CACCCTTGGGCTGGGGCAGAGAGGTCTGCTCACCTACTGCACCAGACTTCCTAGCCTC	Ov 47LeuGlyGlnAsnGluVal52	41 uLys	2573 AGGATGACTGCAGAAGGAATGGCTACACAGAGCTTCCAGACCTTTCCATGCGTTGTGCTC		TGACCAAAA	Oy 25	Db 2692 TTTCCAACGCCGGCGAGGATGAGGCCCAGTC-CCACACTCCCTCGCAGGCACCCTTGCTA 263	Qy 12ProhlaProGluhlaAspArgProHisGlnArgProPhe 24	Db 2752 TCGGGAAGTGAAAGTAACTGTGAAACAGTGCTTCATAAGGCGTGGCATACAAGGCCTTGG 269	4 AlaGlyGlyGluAspCysGluSer	09-896-522-2 (1-277) x US-09-488-725B-8306 (1-2782	9.5/\$ MISHWACCHES: 20.12% Indels: 1 Gaps:	Score: 291.80 Matches: 148 Percent Similarity: 13.32% Conservative: 58 Percent Similarity: 13.72% Vinservative: 58	Length:	US-U3-488-/23B-83U8
=	238	Db 839 ATGACTATCTGCAACAAAAGGCTTAACTTTCTGATTTTCCGTATCAAGCATCTTATGCCT	234 Agn-TloCvgTvg		228 GlnAsnTleTenAsnGlv	CY CT INTERIOR OF A CACCACTTAACTTTTTTTTTTTTTTTTTTTTTTTTT	4 Db 1019	Qy 220IleAsnLeuIleVa	80 Db 1079 CACAAAGACTTAAGAGTTTCAAAGAATTTTTTAAAATAAAAAAAA	Oy 219 219	Db 1137 TGAGGGATGGAAGATATATAATCTATCAAC	207AspValIleIleProArgGlyValAspAsnMetValAla	Db 1197 AGATTTCAAACAAATACAGCTCATCTTTTGCCAAAAAATAATATATAGTGGAATGCAAGTT	4 Db 12	195	Db 1317 CCATGGACCTCCAAGTCATCCTTACCAACCTTAAATGTAGTGTTGTGACATCCAACGAAG	177	Db 1377 TGGTGACTCTTCAGTGAGACTCCATCGACATTCAGAATCTTAAAATGTTGGTAATGAAAA	Qy 161AspSerAspVal	Db 1437 AGCACCCTTGGGACAGTCTCCAACTGACACTTCCCAGCAGGGAGGAGGGCAGGCA	2514 Qy 159 160	Db 14	74 Oy 158 158	1557 ATAGGTAACTCCTTGTGTTTCCATTTCTCAGAGTAGAATTGCTATATCCAAATGATCATGAA	4 Ov 150		ω	. 123	Db 1737 CTGCGGGTTAAATAAAAAAAAACCACACATACAAAAAAAGAATGTAAGGAATGGTTAGTG 1678		Db 1797 GTAACATAAGTCATGCAACAGCTCTGTAAAACAAAACAA	Qy 114	Db 1855 AAGCCTAATTCATAAAAAGACAATTTATTCCATGTTTAATATAGTGTTTTTTAGGATG 1798

PRAYURE: HOMO Bapiens PRAYURE: NAME/KEY: misc feature LOCATION: (219)(3436) OTHER INFORMATION: similar to gi3882215 in the genepept database release 11 OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters	; FEATUR; NAME/K; LOCATI
RE: pt_CT_NO 6550	SEQ ID LENGT
FILING DATE: 1999-01-22 ning Prior Application data ren R OF SEO ID NOS: 10289	; PRIOR ; Remain; NUMBER
RAPPLICATION NUMBER: US 09/235,076 RILING DATE: 1999-01-20 RAPPLICATION NUMBER: US 09/234.611	; PRIOR ; PRIOR ; PRIOR
APPLICATION N	; PRIOR
RELING DATE: 1998-10-13 REPLICATION NUMBER: US 09/179,473 RETIING DATE: 1988-10-27	PRIOR
APPLICATION N	; PRIOR
FILING DATE: 1999-05-26 APPLICATION NUMBER: US 09/	; PRIOR
FILING DATE: 1998-03-20 APPLICATION NUMBER: US 09/321	PRIOR
A APPLICATION NUMBER: US 09/034,341 R FILING DATE: 1998-02-13 ADDITORTION NUMBER: IS 09/045 400	PRIOR
FILING DATE: 1998-01-07	; PRIOR
NT APPLICATION NUMBER: US/0 NT FILING DATE: 2000-01-21 ABBITCATTON NUMBER: US/0	; CURRENT
FERENCE: 784	; TITLE
CANT: Chenghua CANT: Radoje 1 OF INVENTION:	; APPLI; ; APPLI; TITLE
INFORMATION: INFORMATION: ANT: Yuanhua T. Tang ANT: John Tillinghast ANT: Ankura Sinku	GENERAL APPLICA APPLICA APPLICA
23 88-725B-6550/c	RESULT 23 US-09-488-
419 GAGAGAAATCGTGATTAACTAAAAATGAGAGGCCTCCCACAGGGACCAC 371	뮹
265 lyLysArgSerHisLeuGluSerSerSerArgProHis 277	Ś
9 GCTGCGGAAGGATAGCCACGGACTCCAGGTAGATGGAGAAGGTCCAGAGGATCTCAAGAG	뭣
259MetLeuThrSerG 265	Ş
GGTAGTGGGTGGTGATGGTCTCGGCCTCCCAGTCTTGCTGATCATAATA	뭉
50ArgThrGlyAspHis	Ş.
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659 AGAAGTCACAGTATAGGATGGTCTGGACTACGCCGGCCACCACAGCAATGAGGTCAAAGA 600	B
240 ArgGlyGlySerAsnGly 245	Ş.
719 GCACTTATGCTGGCAAACTGAGCTTCTTTCCCTTGAGTACTTTTGTAATGTACAAGTAGA 660	Вb
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95AspLeuMetHisArgThrLeuLysAsmIleValGluGlyLysThrValGluValP 113 :::	1574 GGTCACCATAGGAAGATCCTGGGCCCGATCCAGGTAGACAACTAAGATGGCAGCTGACGG 1515	87 pHis	78LysalaLeuLysGlyGlnTyrAsnPheAs 87	1694 CACTGGGCAGTTGGTAGTAGACAGCCTTGCTCCTGAGTCACATCCTGAATTGACAG 1635	YrLysValLeuThrAlaGl	1754 TIGCACATCGAGCICCIGGCITIGAGGGICTIGIAGGAAGAACCGGAACGCIICCICCA 1695	63 67		51 GluValGluGlnArgGlnArg	.40	1934 GCATATTTCTGATGAATCCAAGTACAGGATCCTCATGACTAGTTTCATATAGAGTCTGGA 1875	39 39	1994 TCTCTGGGGATTCTCACTGTCCACGTCCCAAGCACCAGGACAACCAGGCACCGTGGGGAA 1935	34SerGlyLysSer 39	GTGTGACAGGGTCGAGGTGGGGCATCCACACTGC	24PheLeulleGlyValSerGlyGlyThrAla 33	2114 ACGGTCTTTGGCAATCAGGTCCTGGGCCTCTAATACATGGATCCGAAGCACATGCTCAGT 2055	23 23	2174 TCCTGCCAACTTTAGTTTGACATAGGGGTCTGACTTGCCCTTCACCAGTCCCCCCAAGAA 2115	18 gPro 23	2 AAACCTCATTCCAGCGGGGATTGAGATCTTCCCGAACAACATGGCTCCGGAAGCTTCG 2	13AlaProGluAlaAspAr 18	2292 CCTTGTCAAAGACTTCAAACCTCTAGCTCTTGGCCTGGAACTGATGTGACGATCACCTCAA 2233	TGTTTAAGACTGTGGTGAGACGCACTTTACACCTGCCCAGAAAATCATCCTTGTCCAAGT 2	8	2 AlaSerAlaGlyGlyGluAsp	9-896-522-2 (1-277) x US-09-488-725B-6550 (1-4254)	Alignment Scores: 8.75e+03 Length: 4254 Score: 291.80 Matches: 145 Percent Similarity: 13.79% Conservative: 44 Best Local Similarity: 10.58% Mismatches: 82 Ouery Match: 20.12% Indels: 1104 DB: 1 Gaps: 2

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                                                                                                                                                                                                                                                                                                                                       -AspIleCysLysTrpHisArgGlyGlySerAsnGlyArgSerTyrLys-----ArgT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     IleValGlnHisIle------GlnAspIleLeu------
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TAGCTGCATGCCCTTGACTCCTGCTTTGCAAAAATATTTCTTCACTTCCACATCAATCTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GCCCCCACGAAGGGAAGGTCCCCAATGA-GTGGCTCCAGTATCACCCGCAAAACGCCATG
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                                                                                                                                                                                                                                                                                                                                                                                         GTGAACCTTGACTCCAATGATGCGCAATGGCTTTTCACCCCAGTTCCACTCGTGTAAATGT 630
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CACATCACCTACATAGCTGATGTTCAAGTCCAGCAGGATCTGCTCTTTTCTCTGACCTGG
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GAGTTTTCGCAGTGAGCTGCTCCTCGTCGTCCA 418
                                                                                              CAGCCTTTTCCACGTCTGGGAAGCTGACCCAGGCAGGTAGCTCTCGATGACTCATATAGA
                                                                                                                                                                                                                                                                                          ANATGTTTGCAGATGGGGGTT-AGATCCCCTAACAGCCGGAGCCACAGTTTCAGCCAGAA
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                                                                                                                                           GCTTCTCCATATACTGGCCCAGGAAGGGCCAGACCTGGGCCACAATCTTATTGAGCCATT
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                                               SerSer-ArgPro
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RESULT 24
US-09-488-725B-3853/c
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US-09-488-725B-3853
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CURRENT FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR FILING DATE: 1998-01-07
PRIOR APPLICATION NUMBER: US 09/034,341
PRIOR FILING DATE: 1998-02-13
PRIOR APPLICATION NUMBER: US 09/045,400
PRIOR FILING DATE: 1998-03-20
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR APPLICATION NUMBER: US 09/321,214
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Best Local Similarity:
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Pred. No.:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Remaining Prior Application data removed
NUMBER OF SEQ ID NOS: 10289
SOFTWARE: pt CT genes Version 1.01
SEQ ID NO 3853
LENGTH: 5059
TYPE: DNA
ORGANISM: Homo sapiens
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APPLICANT: Yuanhua T. Tang
APPLICANT: John Tillingha
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APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: From Various Libraries
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OR APPLICATION NUMBER: US 09/170,294
OR FILING DATE: 1998-10-13
OR APPLICATION NUMBER: US 09/179,473
OR FILING DATE: 1998-10-27
OR APPLICATION NUMBER: US 09/181,430
OR FILING DATE: 1998-10-28
OR APPLICATION NUMBER: US 09/235,076
OR APPLICATION NUMBER: US 09/235,076
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: 1999-01-20
APPLICATION NUMBER: US 09/234,611
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                                                                                                                                                                                                                                                                                      AlaGlyGlyGlu------AspCysGluSer----ProAlaPro----
                                                                                                        -ArgProHisGlnArgProPheLeuIleGlyValSerGlyGly---ThrAlaSer----
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Matches:
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RESULT 25 US-09-488-725B-6204 Sequence 6204, Application US/09488725B GENERAL INFORMATION: APPLICANT: Yuanhua T. Tang APPLICANT: Yuanhua T. Tang APPLICANT: Ankura Sinku APPLICANT: Chenghua Liu APPLICANT: Chenghua Liu APPLICANT: Radoje T. Drmanac TITLE OF INVENTION: From Various Libraries FILE REPERENCE: 784	Qy 258	Qy 229 AspIle	Qy 194 laPheGluGluPheCysLeuProThrLysLys 204 p

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Percent Similarity:
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CURRENT FILING DATE: 1998-01-07
PRIOR APPLICATION NUMBER: US 09/004,182;
PRIOR FILING DATE: 1998-01-07
PRIOR APPLICATION NUMBER: US 09/034,341
PRIOR APPLICATION NUMBER: US 09/045,400
PRIOR FILING DATE: 1998-03-20
PRIOR PILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR APPLICATION NUMBER: US 09/131,598
PRIOR APPLICATION NUMBER: US 09/170,294
PRIOR FILING DATE: 1998-08-10
PRIOR APPLICATION NUMBER: US 09/179,473
PRIOR APPLICATION NUMBER: US 09/179,473
PRIOR APPLICATION NUMBER: US 09/181,430
PRIOR APPLICATION NUMBER: US 09/181,430
PRIOR APPLICATION NUMBER: US 09/235,076
PRIOR APPLICATION NUMBER: US 09/235,076
PRIOR APPLICATION NUMBER: US 09/234,611
PRIOR APPLICATION NUMBER: US 09/234,611
PRIOR APPLICATION DATE: 1999-01-22
PRIOR FILING DATE: 1999-01-22
PRIOR FILING DATE: 1999-01-26
PRIOR APPLICATION NUMBER: US 09/234,611
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SOFTWARE: pt CT genes Version 1.01
SEQ ID NO 6204
LENGTH: 8435
TYPE: DNA
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NAME/KEY: misc_feature
LOCATION: (1)...(8436)
OTHER INFORMATION: n =
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                                                                 AATGCCCCGGCTCCCAACGGACCTGGATATAGGGGGCCCCTTGGTTCCCCCCATTATGATTT 3325
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               CGACCAATATTCATCCCCAATGGAATGCCAAACACTGTTGTGCCATGTGGAAACTGAGAAG
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US-09-488-725B-6655/c ; Sequence 6655, Application US/09488725B ; GENERAL INFORMATION:
                                FILE REFERENCE: 784

CURRENT APPLICATION NUMBER: US/09/488,725B

CURRENT FILING DATE: 2000-01-21

PRIOR APPLICATION NUMBER: US 09/004,182

PRIOR PPLICATION NUMBER: US 09/034,341

PRIOR PILING DATE: 1998-02-13

PRIOR PILING DATE: 1998-02-13

PRIOR APPLICATION NUMBER: US 09/045,400

PRIOR APPLICATION NUMBER: US 09/0321,214

PRIOR PILING DATE: 1998-03-20

PRIOR APPLICATION NUMBER: US 09/321,214

PRIOR PILING DATE: 1999-03-26

PRIOR PILING DATE: 1999-03-26

PRIOR PILING DATE: 1999-03-26
                                                                                                                                                                                                                                                               APPLICANT: Chenghua Liu
APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: From Various Librarie
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APPLICANT: John Tillinghast
APPLICATION NUMBER: US 09/131,598 FILING DATE: 1998-08-10
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SEQ ID NO 6655
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PRIOR FILING DATE: 1999-01-22
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PRIOR FILING DATE: 1998-10-27
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OTHER INFORMATION: similar to gil228047 in the genepept database OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
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218 480	LysTyrAlaAspVallleIleProArgGl
203 538	199 CygleuPro:-Thrlys
198 598	192 ysProAlaPheGluGluPhe :: 657 GGCCTGGCAGCAGGTCGGTCACTTGCAGACACACTCCTCCAAGCTCCTGATCCCAGAGC
192 658	173 pValArgArgGlyArgAspLeuGluGlnIleLeuThrGlnTyrThrThrPheValL
173 718	157 eValAspThrAspSerAspValArgLeuSerArgArgValLeuArgAs ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: :::
157 778	147 GluileargAspMetPheHisPh
146 838	133AspValValLeuPheGluGlyIleLeuValPheTyr-SerGln ::: :: ::
132 897	121SerargLeuProGluThrThrValValTyrProAla
957	1016 GAAGTGCACGTGGACCAGGCTCTCCGCCCGAAGGCTGCAGTTGGGGGCTGGGGTGCAGAAG
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1077	GGCCAGCCCCACTTGGACTTGACCATGTCGATCTTCCGCGTGGAGAAGTAGATGTAGGC
120	120His
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1316	1375 ATGTTCTTCATGATGGACCAGCTCTCGCTGCTTAGGCCTTGGGCGATCCGCAGCTTCACC
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₹ <u>₽</u> <u>#2#0"0"</u> E.		NUMBER: U : 2000-01 : 2000-01 : UMBER: US 1998-01-07 IMBER: US 1998-02-13	cation US/ T. Tang Ilinghast Sinku a Liu T. Drmanac Novel Con	Arg-	AAGA	TIGC	AGGC	ACCC	SerAsnGly TCCACAGGT	::: GTTTG
p or consider	3-20 US 09 US 09 US 09 US 09 US 09 US 09 US 09 O-13 US 09	S 13 9 10 10 10 10 10 10 10 10 10 10 10 10 10	US/0948 Just List List Contigs Various	Pi	ACAA	recci	CCGAC	rerea	CCTC	30GGT
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See					Gly	ACCA!	rgThz ::: GCAGC	GGATO	3GAG1	: - -
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GAGCAAGCTGACGCCCACTCTGTATGTTGGGAAATACTCTAC GAGCCAAGCTGACGACGCCACTCTGTATGTTGGGAAATACTCTAC CTCAATGGTACACGAGGGGGTTGCTGTATGTTGGGAAATACTCTAC AGGCCCCAGACTGATGGCGTCACCATCGGGGACAAGGGAAAAACAA CACGGACGTCAAGTTTGATCCCGGACTCAAAAGCAAAAGAACAA CACGGACGTCAAGTTTGATCCCGGACTCAAAAGCAAAAGAACAA CACGGACGTCTCTGATAGGACACCATGAAACCCCACTGTCTGC	Length: 3629 Matches: 139 Conservative: 65 Mismatches: 1186 Gaps: 4 5B-8160 (1-3629) sp
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NUMBER OF SEQ ID NOS: 10289
SOFTWARE: pt_CT_genes Version 1.01
SEQ ID NO 8644
LENGTH: 4493
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Sequence 8644, Application US/09488725B
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION NUMBER: US/09/488,725B CURRENT FILING DATE: 2000-01-21 CHRIOR APPLICATION NUMBER: US 09/004,182 PRIOR APPLICATION NUMBER: US 09/034,341 PRIOR APPLICATION NUMBER: US 09/034,341 PRIOR FILING DATE: 1998-02-13
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APPLICANT: Radoje T. Drmanac
ITILE OF INVENTION: Novel Contigs Obtained
IITLE OF INVENTION: From Various Libraries
FILE REFERENCE: 784
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Yuanhua T. Tang
APPLICANT: John Tillinghast
                                                       ORGANISM: Homo sapiens
NAME/KEY: misc_feature
                                                                                                                                                                                                                                              APPLICATION NUMBER: US 09/181,430
FILING DATE: 1998-10-28
APPLICATION NUMBER: US 09/235,076
FILING DATE: 1999-01-20
APPLICATION NUMBER: US 09/234,611
FILING DATE: 1999-01-22
                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US 09/131,598
FILING DATE: 1998-08-10
APPLICATION NUMBER: US 09/170,294
FILING DATE: 1998-10-13
APPLICATION NUMBER: US 09/179,473
FILING DATE: 1998-10-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US 09/045,400 FILING DATE: 1998-03-20 APPLICATION NUMBER: US 09/321,214 FILING DATE: 1999-05-26
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                                                                                                                                                                                                                          See File Wrapper or PALM.
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135ValLeuPheGlu 138	; 8	
3623 CTACAGCCCGGAGTACAGGCGCGGGGGCCCGCCACGATGCCCGCTCTCGGGGGACCCCGAAG 35	DЬ	
130Tyr	γQ	
126ThrThrValVal 12 3683 CATTGACCAGGACTACGAGCGAGCCTATCACCGGGCCTACGACCCAGACTACGAGCGGGC 36	Qy da	
114ThrTyrAspPhe	D 99	
 	Db	
106 GluGlyLygThrValGluValPro 113	Ş	
91 AlaPheAspAsnAspLeuMetHisArgThrLeuLysAsnIleVal 105	क्ष व्य	
3918 GGCGCAGCCGGAACAGCAGCCCGGAAAGGGGGCGTCCCCATGAGCGGGCCCCGGA 385	B &	· · · · · · · · · · · · · · · · · · ·
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4158 TCATGGTCAATGGCACCCCCATGGAGGATGTGCTTCATTCGTTTGCAGTTCAGCAGCTCA 40	DЬ	
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4218 TTTCTGATGTGCTCCCGGGTGGGGCCTGCTGATGGGCTGCTCCAAGAAAATGACAGAGTGG 41	Дb	
ysIleMetGluLeuLeuGlyGlnAsnG	Q ·	
26 leGlyValSerGlyGlyThrAlaSerGlyLysSerThrVal 39	유 성	
4338 AGCTGATATGGGAACAGTACACTGTGACCCTACAAAAGGATTCCAAAAAGAGGATTTGGAA 42	дb	
15 uAlaAspArg	γQ	
3 SerAlaGlyGlyGluAspCysGluSerProAlaProGl 15	D Qy	
-896-522-2 (1-277) x US-0	us-09	
Match: 1.35e+04 Length: 4493	Alignment Pred. No.: Score: Percent Si Best Local Query Mato	·
LOCATION: (4417)(845) OTHER INFORMATION: similar to gi5924408 in the genepept database release OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters -09-488-725B-8644	00-sn ; ; ;	

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RESULT 29
US-09-488-725B-7478/c
; Sequence 7478, Application US/09488725B
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                                                                                                     CTGGCCTTCAC 2538
                                                                                                                                                                                           AGAGGGGATTCGTTTTTTATAAGAAGCCACTTTGAATGTGAGAAGGAAACTCCACAGAGC 2549
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                                                                                                                                                                                                                                                                                                                                                                                  TTCAGAGGATTAGTGCGGGAGGATGCCGTTCTCTACCTGTTAGAAATCCCTAAAGGTGAA 2669
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DB:
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Best Local Similarity:
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NUMBER OF SEQ ID NOS: 10289
SOFTWARE: pt CT_genes Version 1.01
SEQ ID NO 7478
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APPLICANT: Yuanhua T.
APPLICANT: John Till
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CURRENT FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR FILING DATE: 1998-01-07
PRIOR APPLICATION NUMBER: US 09/034,341
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PRIOR FILING DATE: 1999-01-20
PRIOR APPLICATION NUMBER: US 09/234,611
PRIOR FILING DATE: 1999-01-22
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PRIOR FILING DATE: 1999-05-26
PRIOR APPLICATION NUMBER: US 09/131,598
PRIOR FILING DATE: 1998-08-10
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APPLICANT: Radoje T. Drmanac
APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Cont
TITLE OF INVENTION: From Vari
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FRATURE:
RAME/KEY: misc_feature
LOCATION: (17)...(2844)
OTHER INFORMATION: similar to gi1019103 in the genepept database
OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
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PRIOR APPLICATION NUMBER: US 09/045,400
PRIOR FILING DATE: 1998-03-20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 3073
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                                                         CCATGGGGCTATCCAACTGGCTCCCATCATCTCCAGTCCATACTGGCATCAGAGTCAGCT 2286
                                                                                                 erGlyGly-----
                                                                                                                                     CCTGCTGGACAGCATTTCGGTACAGGTAATCAACCATCATCCAGAGCTCTTTGGGGATTT
                                                                                                                                                                                                             CCAAGCAGTCCCTGATATGTTCAAATTCTGACCTCAGGCCTGGTTGCTGAAACAGATCTT 2406
                                                                                                                                                                                                                                                                                         -----ThrAlaSerGlyLysSerThrVal---
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Ankura Sinku
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RESULT 30 US-09-488-725B-5709/c Sequence 5709, Application US/09488725B GENERAL INFORMATION: APPLICANT: Younhua T. Tang APPLICANT: John Tillinghast APPLICANT: John Tillinghast APPLICANT: Ankura Sinku APPLICANT: Radoje T. Drmanac TITLE OF INVENTION: Novel Contigs Obtained TITLE OF INVENTION: Form Various Libraries FILE REFERENCE: 784 CURRENT APPLICATION NUMBER: US/09/488,725B CURRENT FILING DATE: 2000-01-21 PRIOR APPLICATION NUMBER: US/09/482 PRIOR APPLICATION NUMBER: US/09/482	5Serger

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PRIOR FILING DATE: 1998-10-27
PRIOR PELICATION NUMBER: US 09/181,430
PRIOR FILING DATE: 1998-10-28
PRIOR APPLICATION NUMBER: US 09/235,076
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PRIOR FILING DATE: 1999-01-22
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NUMBER OF SEQ ID NOS: 10289
SOFTWARE: pt CT_genes Version 1.01
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               ACACCTATCCTTGACTTCATCGACGGTCATTTTAAAAATCCATTAAAAAATTGGAACCAGA 2164
                                                                                AGATATTCTCTTCTTTTGTCAATATGAAGAAGCTTCAGAAAATCATGCAAGTGTTTAAGA 2224
                                                                                                                                               TCAGCTCGAAACCGCCAATTTCTACTATTATCTGTCACCAAAAACTCCTGAAGTTGATAA 2284
                                                                                                                                                                                                                TAGTCATAAACATCTCTGGGACTATATAACTCTAGAAGTAAAATCAGCTGTTCAGCCAGT 2344
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US-09-488-725B-5625; Sequence 5625, Application US/09488725B; GENERAL INFORMATION:
; APPLICANT: Yuanhua T. Tang
                                                                                                                   RESULT 31
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              -AsnGlyArgSerTyr---
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CURRENT FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR PILING DATE: 1998-01-07
PRIOR PPLICATION NUMBER: US 09/034,341
PRIOR APPLICATION NUMBER: US 09/045,400
PRIOR APPLICATION NUMBER: US 09/045,400
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR PILING DATE: 1998-03-20
PRIOR PILING DATE: 1998-03-20
PRIOR PILING DATE: 1998-01-26
PRIOR APPLICATION NUMBER: US 09/131,598
PRIOR PILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: US 09/170,294
PRIOR PILING DATE: 1998-10-27
PRIOR APPLICATION NUMBER: US 09/179,473
PRIOR PILING DATE: 1998-10-27
PRIOR APPLICATION NUMBER: US 09/181,430
PRIOR PILING DATE: 1998-10-28
PRIOR APPLICATION NUMBER: US 09/235,076
PRIOR APPLICATION NUMBER: US 09/235,076
PRIOR PILING DATE: 1999-01-20
PRIOR APPLICATION NUMBER: US 09/234,611
PRIOR PILING DATE: 1999-01-22
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; TYPE: DNA
; TRANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (89)... (4021)
; OTHER INFORMATION: similar to gi559703 in the genepept database
; OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
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APPLICANT: Ankura Sinku
APPLICANT: Chenghua Liu
APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: From Various Libraries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILE REFERENCE: 784
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                                                                                                                                                                                                                                                          TTCGTGTCAGAAGCCTACCTGATCACACTGGGCAAATTCATCAACATGTTCGCTGTGCTG 774
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12.78%
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19.82%
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Qy 240 ArgGlyGlySerAmnGlyArgSerTyrLymax 250	Qy 234 Asp	Qy 219AlaileAsnLeuIleValGlnHisIleGlnAspIleLeuAsnGly 233	OArgGlyValAspAsnMetVal	Qy 198PheCysLeuProThrLysLysTyrAlaAspValIleIlePr 211	Qy 189 rPheValLysPro	Qy 187TyrThrth 189	QY 186	2575 GTCTCAGCAGCCATGTATAAGTCCCTAGAACTGGCGATTGGACGATTTGAAAGTGAAGAT	175 ArgArgGlyArgAspLeuGluGlnIleLeuThrGln :::	Qy 164 lArgLeu	Qy 161AspSerAspVa 164	Qy 154 uArg160	Qy 149 ArgAspMetPheHis	Qy 140 IleLeu	Qy 128	Qy 121SerArgLeuPro-GluThrThr 127	Qy 117 120 120	Db 1975 GACAAAAGTGGTTCCAAGAAAACCTTGAGGAAGTAGCCTTGAGGGGCCCACCATATTGGAC 2034

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RESULT 32
US-09-488-725B-5785/c
; Sequence 5785, Application US/09488725B
; GENERAL INFORMATION:
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SOFTWARE: pt_CT_genes Version 1.01
SEQ ID NO 5785
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CURRENT APPLICATION NUMBER: US/09/488,725B
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APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Cont
TITLE OF INVENTION: From Var
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                                                                                                                                                                                                                                                                                                                                                         PRIOR FILING DATE: 1999-01-22
                                                                                                                                                 LENGTH: 3022

TYPE: DNA

ORGANIAN: Homo sapiens

PEATURE:

PEATURE:

LOCATION: (2574)...(1107)

OTHER INFORMATION: similar to gi30821 in the genepept database

OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
                                                                                    No.:
                                                                                                                                                                                                                                                                                                                                                                OR APPLICATION NUMBER: US 09/004, 182
OR FILING DATE: 1998-01-07
OR APPLICATION NUMBER: US 09/034, 341
OR FILING DATE: 1998-02-13
OR APPLICATION NUMBER: US 09/034, 400
OR FILING DATE: 1998-03-20
OR APPLICATION NUMBER: US 09/321, 214
OR FILING DATE: 1999-05-26
OR APPLICATION NUMBER: US 09/321, 214
OR FILING DATE: 1999-05-26
OR APPLICATION NUMBER: US 09/131, 598
OR FILING DATE: 1998-10-13
OR APPLICATION NUMBER: US 09/179, 473
OR APPLICATION NUMBER: US 09/179, 473
OR APPLICATION NUMBER: US 09/181, 430
OR APPLICATION NUMBER: US 09/181, 430
OR FILING DATE: 1998-10-28
OR FILING DATE: 1998-10-28
OR APPLICATION NUMBER: US 09/234, 611
OR APPLICATION NUMBER: US 09/234, 611
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OR APPLICATION NUMBER: US 09/234, 611
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John Tillinghast
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                                                   TCATTCCATTTATTTTCACAAAGTGGCTCCAGGATGTATTTAACGTGCCCTTGGTCATC 1979
                                                                                                                       CCATTTTTATCTGTACACGGGCCGGGGCCCTTCTTCTTGAAGCAATGCATGTAGGTCACC 2039
                                                                                                                                                                                       CATCTTCTCCACACAGAGATATGAATCAGGTTCTTGATTGCCTATGAAAATTAAGAAG 2099
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           ĠĊTGACTGTCĊTĊCAGĠĠĂACCCAGCACCTĂĊCAGT--AATCATGGCCCĂĠĂTĠCCACAG
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   Asp-ThrAspSer-
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                                                                                  ---ValPheTyrSerGlnGlu--IleArgAspMetPheHisLeuArgLeuPheVal 158
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ---ArgPheTyrLysValLeuThrAlaGluGln---Lys
                                                                                                                                                       GlyIleLeu-----
                                                                                                                                                                                                                       ------ValValLeuPheGlu-----
                                                                                                                                                                                                                                                                                         ProGluThrThrValValTyrProAla-----
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APPLICANT: Chenghua Liu
APPLICANT: Radoje T. Drnanac
TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: From Various Libraries
FILE REFERENCE: 784
CURRENT APPLICATION NUMBER: US/09/488,725B
CURRENT FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR FILING DATE: 1998-01-07
PRIOR FILING DATE: 1998-02-13
PRIOR FILING DATE: 1998-02-13
PRIOR FILING DATE: 1998-03-20
PRIOR FILING DATE: 1998-03-20
PRIOR FILING DATE: 1998-03-20
PRIOR FILING DATE: 1998-03-26
PRIOR FILING DATE: 1998-03-26
PRIOR FILING DATE: 1998-03-26
PRIOR FILING DATE: 1998-05-26
PRIOR FILING DATE: 1999-05-26
PRIOR FILING DATE: 1999-05-26
PRIOR APPLICATION NUMBER: US 09/311,598
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                                                                                                                                                                                                                                                                                                                                  APPLICANT: Yuanhua T. Tang
APPLICANT: John Tillinghast
APPLICANT: Ankura Sinku
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Best Local Similarity:
Query Match:
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FEATURE:
I REATURE:
I NAME/KEY: misc feature
LOCATION: (2)...(2777)
OTHER INFORMATION: similar to gi4240253 in the genepept database release 114,
OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
US-09-488-725B-4150
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR FILING DATE: 1999-01-22
Remaining Prior Application data removed
NUMBER OF SEQ ID NOS: 10289
SOFTWARE: pt CT genes Version 1.01
SEQ ID NO 4150
EXECUTE: 4188
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OR APPLICATION NUMBER: US 09/179,473
OR FILING DATE: 1998-10-27
OR APPLICATION NUMBER: US 09/181,430
OR FILING DATE: 1998-10-28
OR APPLICATION NUMBER: US 09/235,076
OR FILING DATE: 1999-01-20
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US-09-488-725B-3474, Application US/09488725B
; Sequence 3474, Application US/09488725B
; GENERAL INFORMATION:
 APPLICANT: Yuanhua T. Tang
 APPLICANT: John Tillinghast
 APPLICANT: John Tillinghast
 APPLICANT: Chenghua Liu
 APPLICANT: Chenghua Liu
 APPLICANT: Chenghua Liu
 APPLICANT: Chenghua Liu
 APPLICANT: Chenghua Liu
 APPLICANT: Chenghua Liu
 APPLICANT: Radoje T. Drmanac
 TITLE OF INVENTION: NOVEL Contigs Obtained
 TITLE OF INVENTION: NOVEL CONTIGS Obtained
 TITLE OF INVENTION: Torm Various Libraries
 FILE REFERENCE: 784
 CURRENT APPLICATION NUMBER: US 09/04/88,725B
 CURRENT FILING DATE: 1998-01-07
 PRIOR APPLICATION NUMBER: US 09/04,182
 PRIOR APPLICATION NUMBER: US 09/04,341
 PRIOR APPLICATION NUMBER: US 09/045,400
 PRIOR FILING DATE: 1998-02-13
 PRIOR FILING DATE: 1998-03-20
 PRIOR FILING DATE: 1998-03-20
 PRIOR APPLICATION NUMBER: US 09/131,598
 PRIOR APPLICATION NUMBER: US 09/131,598
 PRIOR APPLICATION NUMBER: US 09/170,294
 PRIOR APPLICATION NUMBER: US 09/170,294
 PRIOR APPLICATION NUMBER: US 09/179,473
 PRIOR APPLICATION NUMBER: US 09/179,473
 PRIOR APPLICATION NUMBER: US 09/179,473
 PRIOR APPLICATION NUMBER: US 09/181,430
 PRIOR APPLICATION NUMBER: US 09/181,430
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 PRIOR APPLICATION NUMBER: US 09/181,430
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 PRIOR APPLICATION NUMBER: US 09/181,430

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; PRIOR APPLICATION NUMBER: US 09/234,611
; PRIOR FILING DATE: 1999-01-22
; Remaining Prior Application data removed - ;
; NUMBER OF SEQ ID NOS: 10289
; SOFTWARE: pt_CT_genes Version 1.01
; SEQ ID NO 3474
; LENGTH: 2915
; TYPE: DNA
; ORGANISM: Homo sapiens
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; NAME/KEY: misc_feature
; LOCATION: (3)...(2202)
COTHER INFORMATION: similar to gil657752 in the genepept database release 114,
; OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
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GACCTATTATTGGCACATCCCAACAGGAACGACTCAGATGGGAACGGCCCGTCTCCATCC
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                                                               CTCATTTCAGACTGATCCAGATTTGCCGCCTGGCTGGAAAAGAGTCAGTGACATTGCCGG
                                                                                                  hrHisSerArgLeu--ProGlu----
                                                                                                                                 TCC--C--AAGACAGTGCCTCACCCAGCTCCCCGGATGAAACAGATATATGGAGTGATCA
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               GTTGGGAAGGACGTCCACACATTTGCCTTCATCATGGACACGGGGAACCAGCGCTTTGAG 1968
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                                               --AsnGlyArg---
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Percent Similarity:
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US-09-488-725B-3363/c
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                                                                                                                                                                 ; PEATURE:
; NAME/KEY: misc feature
; LOCATION: (4464)...(2165)
; OTHER INFORMATION: similar to gi3724141 in the genepept database release
; OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
US-09-488-725B-3363
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us-09-896-522-2 (1-277) x US-09-488-725B-3363 (1-4461)
                                                                                                                                      Alignment Scores:
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SOPTWARE: pt CT_genes Version 1.01
SEQ ID NO 3363
LENGTH: 4461
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION NUMBER: US/09/488,725B CURRENT FILING DATE: 2000-01-21 PRIOR APPLICATION NUMBER: US 09/004,182 PRIOR FILING DATE: 1998-01-07 PRIOR APPLICATION NUMBER: US 09/034,341 PRIOR FILING DATE: 1998-02-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: Novel Contigs
TITLE OF INVENTION: From Various
FILE REFERENCE: 784
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FILING DATE: 1998-02-13
APPLICATION NUMBER: US 09/045,400
FILING DATE: 1998-03-20
APPLICATION NUMBER: US 09/321,214
FILING DATE: 1999-05-26
                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US 09/181,430 FILING DATE: 1998-10-28 APPLICATION NUMBER: US 09/235,076 FILING DATE: 1999-01-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US 09/131,598
FILING DATE: 1998-08-10
APPLICATION NUMBER: US 09/170,294
                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US 09/234,611 FILING DATE: 1999-01-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US 09/179,473 FILING DATE: 1998-10-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: 1998-10-13
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                   3684 GAGATTTTCGAATTCGACATTATGCAGGCGATGTAGTCTATTCTGTCATTGGTTTTATTG
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                                         2184 CCTCAGCGTGCCCGGGAACTGACGCCCCGCGGAGGCCTGGCCC--GGAGCCCGGCCACAC
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                                                                                                                                                                                                                                                                                                              2364 GAATTGGAGAACTTGTTGGGAGTGCTGGTGAATCATTTCAAGAGTGAGAAGCGCCACCTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2484 TATACAATTTGACTGGTCTGAGTGTCTCCAATGGAAAGGACCAACTTGTAGTGTTCCATA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2964 ACGAGGTGGCCAGACGCTTCCATGGCGTCAAGACCATGCGAGACTACGGGAAGCACGTGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3144 TTCGAACACCCCGAACATTGTTTÄCCTTGGAAGAACTCCGTGCCCAGATGCTCATAAGGA 3085
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                                                                                                                                                                                                                   CAAGTGGAACGTCACCCAGCCCAGTACAGTGCAGCCTGCACGGGGAAGAAGTGCACCGTCTC
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TTGTCCTCTTTCTACAAAAGGTGTGGCGGGGCACCCCTGGCCCGCATGCGGTACAAAAGAA 3025
                                                                                                                                                                                                                                                                                                                                                                                                      CGAAAGACAAAGACCTCATTGTCTGCCTCTTCAGCAAACAGCCAACCCATGAGAGTC
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                                                                                                                               CGTGGAGACGCGGCTCAACCAGCCCCAGCCCGACTTCACCAAGAATCGCTCGGGCTTCAT
                                                                                                                                                                         ysTrpHisArgGlyGlySerAsn----GlyArgSerTyrLysArgThr-----Phe--
                                                                                                                                                                                                                                                               IleValGln---His-----IleGlnAspIleLeuAsnGlyAspIleCys-----L
                                                                                                                                                                                                                                                                                                                                                          -----AspAsnMet------ValAlaIleAsn-------
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                                                                                 ----SerGluProGly----AspHisPro-GlyMetLeuThrSerGlyLysArgSerHis
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--SerSerArgPro 276
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                                                                                                                                                                                                                                                                                                                                    Percent Similarity:
Best Local Similarity:
                                                                                                                                                                                                                                                                                                                                                                                                                       Alignment Scores:
                                                                                                                                                                                                                                                                                                                  Query Match:
                                                                                                                                                                                                                                                                                                                                                                                    Score:
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SOFTWARE: pt_CT_genes Version 1.01
SEQ ID NO 3360
LENGTH: 7502
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION NUMBER: US/09/488,725B
CURRENT FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR FILING DATE: 1998-01-07
PRIOR APPLICATION NUMBER: US 09/034,341
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR FILING DATE: 1998-02-13
PRIOR APPLICATION NUMBER: US 99/045,400
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR FILING DATE: 1999-05-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Chenghua Liu
APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: From Various Librarie
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Yuanhua T. Tang
APPLICANT: John Tillinghast
APPLICANT: Ankura Sinku
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OTHER INFORMATION: similar to gi3413886 in the genepept database release 114, OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
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NAME/KEY: misc_feature
LOCATION: (2)...(6861)
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                                                                                   3671
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APPLICATION NUMBER: US 09/234,611
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FILING DATE: 1998-10-27
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2126 TCCGAGTCCTGGGTCCCAGTCCAGCTGCCTCCCAACCC 2086
3731 AGCTCTAGCCACCATTCCCAGCCGCAAGCAGCAGCTCCTGGACCTGCTTACCAGTTACCT 3790
                                                                                                                                                                  3611 TCGTCGGGGAAGAGGACCTCCCCCTTGGATCTCAAACTGGGGCATAACAACTGGCTGCG 3670
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                                                                                 ACAAGTGCTTTTCACTCCAGCAACGCAGGCCGCACGGCAGGCCAGCCTGTACCATTGTGGA 3730
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Matches:
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65 CTGGTGTACCACGAATGAG 66 U 25 GGGCGATGCCACAGAGGAG 65ArgLeuSer 65ArgLeuSer 85 TGAAGAAGAAGTGTATAAA 85 TGAAGAAGAAGTCTATAAA 86ArgArgV	TCATCTTCGAGAGGCT-CTGCAGCATCATTTATCCTGAGAGATGAAGTCACTGAGTTC uGlyLysThrValGluValProThr-TyrAspPheValThrHisSerArgLeuPr :: TTT-GTGACCCTGGAGAAGGATCCCCAACAAGAAGTTTTTTTTT	CGATCTGCAGCAGGGTTATGCCCTTAAAAGTCTCACAGGCCTTCTCCTCCTCCTTTGTTGA LVALGL LVALGGTGGTGCTGAATGGATA	23
RESULT 37 US-09-488-725B-769 Sequence 769, Application US/09488725B GENERAL INFORMATION: APPLICANT: Yuanhua T. Tang APPLICANT: Yuanhua T. Tang APPLICANT: Ankura Sinku APPLICANT: Radoje T. Drmanac TITLE OF INVENTION: Novel Contigs Obtained TITLE OF INVENTION: From Various Libraries FILE REFERENCE: 784 CURRENT APPLICATION NUMBER: US/09/488,725B CURRENT FILING DATE: 1998-01-07 PRIOR APPLICATION NUMBER: US 09/004,182 PRIOR APPLICATION NUMBER: US 09/034,341 PRIOR APPLICATION NUMBER: US 09/034,341 PRIOR APPLICATION NUMBER: US 09/034,341	5342 Gddarchdccadaaargcaactrgaactacaaaaaag 260 -GlyMetLeuThrSer	Db 5043 GACAGGTGACAAGGATCAACTGGTGATĞCTCTTGGAĞCAGATCAACAĞCACCTTTGTTCG 5102 Qy 209	Db 4863 CTGGAAATGAACACCTTGAACGTCATGCTGGGGACCCTAAACCTGGCCCTTGTAGCTGAA 4922 Qy 181

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DB:
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PRIOR FILLING DATE: 1998-10-13
PRIOR PELICATION NUMBER: US 09/179,473
PRIOR PELLING DATE: 1998-10-27
PRIOR PELLING DATE: 1998-10-28
PRIOR FILLING DATE: 1998-10-28
PRIOR PELICATION NUMBER: US 09/235,076
PRIOR PELLING DATE: 1999-01-20
PRIOR APPLICATION NUMBER: US 09/234,611
PRIOR PELLING DATE: 1999-01-22
PRIOR APPLICATION NUMBER: US 09/234,611
PRIOR PELLING DATE: 1999-01-22
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NUMBER OF SEQ ID NOS: 10289
SOFTWARE: pt CT_genee Version 1.01
SEQ ID NO 769
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LOCATION: (2)...(4975)
OTHER INFORMATION: similar to gi5689519 in the genepept database release 114,
OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
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TYPE: DNA
ORGANISM: Homo sapiens
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APPLICATION NUMBER: US 09/321,214
FILING DATE: 1999-05-26
APPLICATION NUMBER: US 09/131,598
FILING DATE: 1998-08-10
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                                      CAAGACCCAGGCTGATCCCAGGGAGCCCCAATTCCATGCCTTTATTATCACAAGGGAGGA 594
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                                                                                                         AGACCGGGCTGGAGCCGGACGAGCTGTCGGCATTATGCCAGTACATAC--AGGCTTCTAA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               -CysGluSerProAlaProGluAlaAspArgPro-----HisGln------
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                                                                      -GluValGluGlnArgGln----ArgLysValValIleLeuSerGlnAspArg-
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       ---PheTyrLysValLeuThrAlaGluGlnLy
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                                                        AGAATGAAACTATTGCCCGGCTGCAAGCCTTGGTCAAGAGAACTGGGGGTGAGCCTGGAAA 1670
                                                                                                                        CGGACAAGAGGAATGGGAACATTGCTGGCTCCCCTTTGCATTCCTACGAGCTTCTTAAGG
                                                                                                                                                                                                                                                          TGGAGTTTGTCCAGGAAGTCTCTGAGATTCTCATGGCATTTGGAATTCCCCCCTGAAGGGA 1490
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                                                                                                                                                                                                                                                                                         ---ArgLeuSerArgArgValLeuArg---
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2810	ATTCAGAACGTAGGAAGTCTGATGCCAGCTCACTCATGCCTCCCCTGAGGATCTCCCTGA	2751
257		257
2750	AGGACAACCGGCAGAGAAACTCACATCAGGAAGCCTCAGTACCTCAGGAATACTTCTTG	2691
257		257
2690	GTCATGGACTACAAGTGAAACAGGGGAAATCAGCCTTATGGTCCCCACCTGTTACATTATC	2631
257	SerGluProGlyAsp	253
2630	CAGGGGTGGAAGAGACACCCTGATTGCCAGCCTTTGTGATCTCCTGGAAAGGATCTGGA	2571
252	PhePhe	248
2570	TGCTGGTGGAAAAGATGGGCCGAGAAGCTGTGGAGCTAGGGCATGGGGAAGGTGAACATCA	2511
247	GlyGlySerAsnGlyArgSer	241
2510	GAGGGCCTGCTGAAGGAATGCCGCAATAAGACCAAGAGGA	2451
240		240
2450	${\tt CTATGGGCAGCACTATCCGCCAGCCCAAACTGTCCAACCTCTCTCCATCAGTGATTGCCCC}$	2391
240		240
2390	$\begin{matrix} \ \ \ \end{matrix}$	2331
240	-HisArg	239
2330	ACAAGTGGACGAAAAGGAATGCCCCTGCCCAGTGGAGGCGGAAAGATCGGCAGAAGCAGC	2271
238	Cys-LysTrp	236
2270	ATGAGCCGGGCTTCTTCCCTAAGCTGCAGTCTGATGTACTTTCCACTGGGCCAGCCA	2211
235	LeuAsnGlyAspIle	231
2210	AAATTGACCATACTGCAATTCACCCACATTTACTTGACATGAAGATTGGACAAGGGAAAT	2151
230	lleValGlnHisIleGlnAspIle	223
2150	TGTACCAGAAGTGTACCACTGTGGATGAAGCAGAGAAAGCAATTGAGCTGCGTCTGGCAA	2091
222	ValAspAsnMetValAlaIleAsnLeu	214
2090		2031
213		210
2030	TTGACAACAAATAATGTGTCATGATGATGATGATAAAGACCCTGTACTCCGGGTATTTG	1971
209		204
1970	CTGAGCCCTACCTGCCCTTCCTCAAGATTCCTGGAGACCCAGATGTTTGCATCTTTCA	1911
203	LeuProThrLy8	200
1910	GGTTTACCAACAGGGAGCAAATGCAAAACTTTGATAAAGCATCTTTTCTGTCAGATCAGC	1851
199		195
194 1850	hrGlnTyrThrThrPheValLysProAla	185 1791
1790	CATTCAGATCCGGGAAGTTTTTGCAAATCGTTTCA	1731
185		175
1730	AGTTGGAAGTGCGTGAAGACCCCCAGCAGCAATAAGGATCTCAAAGTTCAGTGTGATGAAG	1671

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Oy 2 AlaSerAlaGlyGlyGluAsp	us-09-896-522-2 (1-277) x US-09-488-725B-966 (1-497	2.72e+04 Length: 285.90 Matches: 12.74% Conservative 9.45% Mismatches: 19.72% Indels:	LENGTH: 4975 TYPE: DNA ORGANISM: Homo sapiens PEATURE: PEATURE: NAME/KEY: misc_feature LOCATION: (2)(4975) OTHER INFORMATION: similar to gi5689519 in the OTHER INFORMATION: Run with FASTXY 3.3t00, def 09-488-725B-966	IOR APPLICATION NUMBER: US 09/235,076 IOR FLLING DATE: 1999-01-20 IOR APPLICATION NUMBER: US 09/234,611 IOR RETLING DATE: 1999-01-22 maining Prior Application data removed - See MBER OF SEQ ID NOS: 10289 THARE: pt_CT_genes Version 1.01 Than 666	APPLICATION FILING DATE APPLICATION FILING DATE APPLICATION APPLICATION	PRIOR APPLICATION NUMBER: US 09/034,341 PRIOR FILING DATE: 1998-02-13 PRIOR FILING DATE: 1998-03-20 PRIOR FILING DATE: 1998-03-20 PRIOR APPLICATION NUMBER: US 09/321,214 PRIOR APPLICATION NUMBER: US 09/321,214 PRIOR FILING DATE: 1999-05-26 PRIOR FILING DATE: 1998-08-10	CANT: CANT: OF INV OF INV OF EREN OF APPLIC APPLIC	RESULT 38 US-09-488-725B-966 ; Sequence 966, Application US/09488725B ; GENERAL INFORMATION: ; APPLICANT: Yuanhua T. Tang ; APPLICANT: John Tillinghast ; APPLICANT: John Sinku	Qy 274 Ser-ArgProHis 277	OY 260GlyMetLeuThrSerGlyLysargSerHisLeuGlu-SerSer	Qy 258Hisdro
		# # ·	0. 0	See File Wrapper or PALM.		,				SerHisLeuGlu-SerSer 273	GAAATCAAGACTGATGTGGGAAAGGCCA 2870

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475 ATIGAANTCCCTTTGACCAAGATGCAGTAGGAATGCTATGTATGTAT	117 GCGGCGGCGGGACGGCCTGAGGGCCGACCGGCGCCCGGGTTGCCGGGGGCGCCCGGGTTGCCGGGGGG
Di	131 ProAlaAspValValLeuPheGluGlyIleLeuValPheTyrS

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GENERAL INFORMATION:
APPLICANT: Yuanhua T. Tang
APPLICANT: John Tillinghast
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CURRENT APPLICATION NUMBER: US/09/488,725B
CURRENT FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR FILING DATE: 1998-01-07
                                                                                                                                                                                                                                                             APPLICANT: Chenghua Liu
APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: From Various Libraries
                                                                                                                                                                                                                                                                                                         APPLICANT:
                                                                    APPLICATION NUMBER: US 09/321,214
FILING DATE: 1999-05-26
APPLICATION NUMBER: US 09/131,598
FILING DATE: 1998-08-10
                                                                                                                            APPLICATION NUMBER: US 09/034,341 FILING DATE: 1998-02-13 APPLICATION NUMBER: US 09/045,400 FILING DATE: 1998-03-20
                            APPLICATION NUMBER: US 09/179,473
                                        APPLICATION NUMBER: US 09/170,294 FILING DATE: 1998-10-13
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NUMBER: US 09/181,430
               1998-10-27
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PRIOR FILING DATE: 1998-10-28
PRIOR APPLICATION NUMBER: US 09/235,076
PRIOR APPLICATION NUMBER: US 09/234,611
PRIOR PILING DATE: 1999-01-22
PRIOR FILING DATE: 1999-01-22
Remaining Prior Application data removed -
NUMBER OF SEQ ID NOS: 10289
SOFTWARE: pt CT_genes Version 1.01
SEQ ID NO 1107
LENGTH: 4975
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; LOCATION: INFORMATION: similar to gi5689519 in the genepept database release 114, 77HER INFORMATION: Run with FASTXX 3.3t00, default parameters
US-09-488-725B-1107
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Query Match:
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TCCCCCTGCTGATGACAGAGACCAGAGCAGCATGGAGGATGGTGAAGACACTCCTGTGAC 774
                                    -ProAspAlaPheAspAsnAsp-----
                                                                                                                  sAlaLysAlaLeuLysGlyGlnTyrAsn-----
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                                                                                                                                                                                                                                                                                -----GluValGluGlnArgGln----ArgLysValValIleLeuSerGlnAspArg-
                                                                             CTGCAGTGCAATGCAGACCCTCTACCACATGCACAATGCTGAGTATGATGTCCTACATGC 714
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Matches:
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    See File Wrapper or PALM.

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Best Local Similarity:
Query Match:
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; LOCATION: (208)...(2552)
; OTHER INFORMATION: Bimilar to gi2769562 in the genepept database release; OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
US-09-488-725B-5599
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SEQ ID NO 5599
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APPLICANT: Radoje T. Drmanac
TITLE OP INVENTION: Novel Contigs Obtained
TITLE OP INVENTION: From Various Libraries
FILE REFERENCE: 784
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NUMBER OF SEQ ID NOS: 10289
SOFTWARE: DE CT_genes Version 1.01
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PRIOR FILING DATE: 1998-02-13
PRIOR APPLICATION NUMBER: US 09/045,400
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR APPLICATION NUMBER: US 09/131,598
PRIOR APPLICATION NUMBER: US 09/131,598
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/09/488,725B
CURRENT FILING DATE: 2000-01-21
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PRIOR FILING DATE: 1999-01-20
PRIOR APPLICATION NUMBER: US 09/234,611
PRIOR FILING DATE: 1999-01-22
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ORGANISM: Homo sapiens
FEATURE:
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LOCATION: (1)...(3926)
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FILING DATE: 1998-10-27
APPLICATION NUMBER: US 09/181,430
FILING DATE: 1998-10-28
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                                  CCTCTCATGAAAGGAAGCC---AGGCCGGGATCTGAGTTTCCTGGACAAGGACTGGACAC 2910
                                                                                                                                 MetAlaSerAlaGly-----
---GlnArg--
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   --SerArg----
                                                   GAACTCCATGACCTGGTCACATGTCTTGTCCAGCAGCTTCTTCTGAGTCAGCTTCAGCAT 1830
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                                                                                                                                                                                                                                                                                                                 8Arg-----
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                                                                                 ---ThrTyrAspPheValThr---
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 -LeuThrAlaGlu------GlnLysAlaLys-
                                                                                                                                                                                                                                                                                                                                                   ----ThrLeu-----LysAsnIleValGl 106
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·	T 690		749
	- 256		255
	C 750	 CTCCACAGGGACCCAATCAATCATGCGGCCCAA	809
	- 254		251
	T 251 A 810	ArgGlyGlySerAsnGlyArgSerTyrLysArgT	240 869
	G 870	TTGTAGAAGGACGAGGGACACCCAGGCTGTCTTTCCACTGGGTGAGGAACGGCGGCGTCG	929
-	- 239		236
	G 930	GGTGTCGCAGCTTGTCCACGATGACCCCCGATGTGGTCGTCGACAGGTCCATG	686
			200
	- 222 A 990	;AsnMetValAlaIleAsnLeu	216 1049
	A 1050	:::: CATGTGGCCCAGAGATGTCCAGGGACATTAGGTTCCCCAGCTTCTGCACAAAGAGGCTCA	1109
	215		208
		AATGCTGGTCTGCCCCGCTTCCCTCTTCCCAATCTTGGAGATGCTG	1169
	208)LeuProThrLvsLeuProThrLvsLvsTvrAlaAspVa	200
	G 1170		1229
	199		. 192
	A 1230		1289
	- 191		190
•	C 1290	Valatgarg	1349
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	ър 173 сс 1350	ASPThrAspSerAspValArgLeuSerArgArgValLeuArgAsp	159 1409
	A 1410	ATATTTGTGG	1469
	ւ1 158		153
	C 1470) GTACTCGGAATTTGTTAGGTAGAAGAGAGCGGCGCTGCCTGTCACTTGAATGTTCCTGTC	1529
	- 152		152
	C 1530) CATGCCATTCAGCACCACCTGGATAACCTGCCGGCGCAGCTTCACACTCTGCTCTGAGCG	1589
	- 152		152
	C 1590	GCTGAAGTTGCAGAGCGTCAGGCAGCAGTTCCGCTGCACCGTCACCTCCTGGTAGGATTC	1649
	- 152		. 146
	T 1650	GAGGATGCTGAGCAGGAG	1709
	145		141
		CAGGGCATTGCACAGGTGCACGGCGATCCGCTGGATAGACTCGTCCTGCCGCGTGGGGTT	1769
			134
	C 1770) GGTCACGACAAAGCCCATCTTGCCCACGGCCTCCTTGTGGTCGTTGTCTACCTGGCAGAC	1829

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Alignment Pred. No.: Score: Score: Percent Si Best Local Query Matc DB:	; LENGTH: ; TYPE: D ; ORGANIS ; FEATURE ; NAME/KE ; LOCATIO ; OTHER I ; OTHER I US-09-488-7	; PRIOR FIL ; PRIOR APP ; PRIOR APP ; PRIOR FIL ; PRIOR FIL ; Remaining ; NUMBER OF ; SOFTWARE: ; SEQ ID NO	PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR	CURRENT CURRENT PRIOR A PRIOR B PRIOR B PRIOR B PRIOR A PRIOR C	RESULT 41 US-09-488- SEQUENCE GENERAL APPLICA APPLICA APPLICA APPLICA APPLICA APPLICA APPLICA APPLICA APPLICA APPLICA APPLICA	D Qy	D 9	B 8	Qy Db
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3.46e+04 285.00 14.25% 9.77% 19.66%	piens sture 3795) s similar to gi333	0-28 US 09/ 1-20 US 09/ 1-22 on data 89 sion 1.	5-26 US 09/ 8-10 US 09/ 0-13 US 09/ 0-27 US 09/ US 09/	R: US/C 0-01-21 0S 09/ 1-07 US 09/ 2-13 2-13 09/ 3-20	N: N: Ia T. Tang Tillinghast Ta Sinku le us Liu le T. Drmanac N: Novel Contigs Obt N: From Various Lib	rgProHis 	SerGly 3CAAGTTAGTCAGGT	AsphisProGly::::	CCCCTGGGTTCTC
Length: Matches: Conservative Mismatches: Indels: Gaps:	3.3t00,	7 , ,	321,214 131,598 170,294 179,473	, , , , , , , , , , ,	38725B 3 Obtained	ProHis 277 GTCCTCAC 480	racaagctccaccc	MetLeuThr :-: 	CTTCCTCAATAANA
5195 133 . 61 . 82 . 1086 5	the genepept database release default parameters	File Wrapper or PALM.					SerGlyLysArgSerHisLeuGluSerSerSerA 275	GTCTGCAGGCTCTTGGCGGACA 5	256 CAAAAGCCCCCCTGGGTTCTCCTTCCTCAATAANAAAATGTTTGTAACAGCCGAAAAAGG 630
	114,						275 510	263 570	56 30

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ACCTGANGACCOTGATTTCTTGGTGCAAGGATCTTCTGACCTTCGAGAAAAACACCAT CCAAGCAGCAGCAGTATCGGGAGCAGGAAACCCAGTGTTGTGGACCCTAGCAAGAGT CCAAGCAGCAGTATCGGGAGCAGGAAACCCAGTGTTTTGGACCCTAGCAAGAGT	-3427 (1-5195)
2250 AGAGTOTCCCCCTATCCCCCCCCCCCCCCCCCCCCCCCCC	130

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Percent Similarity:
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us-09-896-522-2 (1-277) x US-09-488-725B-6263 (1-6941)
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CURRENT FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR FILING DATE: 1998-01-07
PRIOR APPLICATION NUMBER: US 09/034,341
PRIOR APPLICATION NUMBER: US 09/045,400
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: US 09/045,400
PRIOR APPLICATION NUMBER: US 09/045,400
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR FILING DATE: 1999-03-26
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SOFTWARE: pt CT_genes Version 1.01

SEQ ID NO 6263

LENGTH: 6941
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GENERAL INFORMATION:
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APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Contigs Obtained
TITLE OF INVENTION: From Various Libraries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Yuanhua T. Tang
APPLICANT: John Tillinghast
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT:
                                                                                                                                                                              NAME/KEY: misc_feature
LOCATION: (85)...(4217)
OTHER INFORMATION: similar to gi3043680 in the genepept database release
OTHER INFORMATION: Run with FASTXY 3.3t00, default parameters
                                                                                                                                                                                                                                                              ORGANISM: Homo sapiens FEATURE:
                                                                                                                                                                                                                                                                                                  TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US 09/131,598
FILING DATE: 1998-08-10
APPLICATION NUMBER: US 09/170,294
FILING DATE: 1998-10-13
APPLICATION NUMBER: US 09/179,473
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APPLICATION NUMBER: US 09/181,430
FILING DATE: 1998-10-28
                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US 09/234,611
                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US 09/235,076 FILING DATE: 1999-01-20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    518 GGCTTCCGCGGCAAGGACTGCAGCCAAGAAGACAACAATGTGGAAGGTCTGGCGCACCTG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           398 CCAACAGCGGCGGGGAAGGCCCGTGCGAGGCGGGGGAGGAGGGCGAGGGCGGGGTGTGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                338 TCAACTCCTCGCAGGTCCTGCCCGTGGACAGCGGCGAGGTGAAGCTGGACGATGAGCCGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  278 TCACCCTGGCCTCGGTGAGGGAGCCGGAGCCCTTCAAGGGGTGGATTCGTGACGTGAGGG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         98 TTAACGACGGCGCTGGCACAGCGTGCGCATCCGCCAGTTCCGCAACACCACGCTCT
                ATCTCGACTTGCCAAGCAAGGAGATCCTAAGATGAAGATCCATGGAGTGGTGGCATTTAA 1176
                                                                                                                                                                                                                                                                                                                               His-ArgThrLeuLys-----
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                                                                                    CAACTTTATGGGCTGTCTCAAAGAGGTTGTATATAAAAATAATGATGTGAGGCTGGAATT 1116
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                                                  --ProAla--
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                                                                                                                                                                                    ------HisSerArg-LeuPro-----GluT
                                                                                                                       -ValValTyr-----
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248	243SerhsnGlyhrgSerTyr	
2254	195 GTGCGTGTAGTTCGGCGTGGAAAAAGTTTAAAGTTAACAGTGGATGACCAACAGGCCATG	21
242	242	Ń
2194	2135 AGCAAAGGTCCCGAGACTCTTTTTGCTGGCTATAACCTCAATGATAACGAGTGGCACACA	21
242	242	Ŋ
2134	075 GACGCAGGACGTGTGAAACTGACGGTCAATCTAGATTGTATCAGGATTAACTGTAATTCC	20
242	242	Ņ
2074		20
242	7 veTrnH; eAraG] vG] v	ا ر
237	223IleValGlnHisIleGlnAspIleLeuAsnGlyAspIleCysL	
222 1954	212ArgGlyValAspAsnMetValAlaIleAsnLeu	18
211 1894		18:
1836	TCAAAGGAAACAGCAAAACCGTGCCTTAGCAACCCTTGCAAAAACAATGGCATGTGCAG	17
203		<u> </u>
194 1776	177 -GlyArgAspLeuGluGlnIleLeuThrGlnTyrThrThrPheValLysProAla	17
1716	GACTGCTCTGCTCAACTATGGCTACGTGGGCTGCATCAGGGATTTGTTCATCGATGGCCA	16
σ.	ArgAspValArgArg	. پر
1656	GTTGTACCTGGGGGGGCTGCCAGAAAATAAAGCTGGCCTTGTCTTCCCCACCGAGGTGTG	15
71		., ţ
171 1596	168 rgArgValLeu	15, 1
1536	TGGAGAATGGTATCATGTGGACTTCCAGAGAGAGACGGTCAGGTACCATTTCTGTCAA	14:
168		<u> </u>
159 1476	156 uPhėValAsp	14:
1416	GCTATTGAGATGCTAGATGGCCACCTCTACCT	13
156		<u></u>
1356	GCCAAATGGCCTCATCTTATTTAGCCATGGCAAGGCCAAGACATCAGAAAGATGCCAAGCA	12:
1296		12:
138		н
1236	CCCCAGAGTCTTTCATCTC	11.
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Alignment Pred. No.:	PRIOR PRIOR	SULT 43 Sequence Sequence Applic Appl						
Scores:	APPLICAY APPLICAY APPLICAY FILING I APPLICAY FIL	1258 INT: INT: INT: INT: INT: INT: INT: INT:	272 : 2555 :	272 2495	262 2435 (260 2375	249 2315	2255
	DATE: VITION N DATE: VITION N DATE: VITION N DATE: VITION N DATE: VITION N DATE: VITION N DATE: CT_gen CT_gen CT_gen CT_gen CT_gen CT_gen CT_gen CT_gen CT_G	ppli flowing m rai mrai non non non non non non non non non no	rSerSerArgProHis CAGTTCAAGACAACAT	NAATCGAGC	GAGCTTAAT	TTGACATTT	LysArgThr- ATCACAGAACGA	- ACAGGTCAA
2.766	N NUMBER: US E: 1998-08-10 N NUMBER: US E: 1998-10-13 N NUMBER: US E: 1998-10-27 N NUMBER: US E: 1998-10-28 N NUMBER: US E: 1999-01-20 N NUMBER: US E: 1999-01-22 Application d) NOS: 10289 genes Version sapiens feature feature feature fon: Run with ON: Run with		gProHi ACAACA	TATGTT	GCCAGA	Gly AATGGA	hr CGACGG	
76e+04	%; US 09/131, %; US 09/170, 10-13 10-13 2: US 09/179, 10-27 2: US 09/181, 10-28 09/235, -01-20 10-20 10-20 10-20 2289 2289 2280 2280 2280 234, 24 24 25 26 27 28 28 28 28 28 28 28 28 28 28 28 28 28	\$/0948 t t t t US/09 01-21 01-21 09/0 07 09/0 07 09/0	.8 277 T 2570	se 	LeuThrSerGlyLysArgSerHisLeuGlu	GlyMet	LysArgThrPhe-SerGluProGlyAspHisPro 	
Length:	598 2294 473 473 0076 611 oved 0ved 3.3t	%/09488725B Ic Intigs Obtained rious Libraries US/09/488,725B US/09/04,182 09/004,182 09/034,341 3 09/045,400 00 00 00 09/321,214		TACCTTGO	erGly CAGGAAC	CATTGAC	Phe-SerGluProGlyAsp- ::: TTCTTCTGTCCCCTCCAACT	 TACTAGGO
p :	· · · · · · · · · · · · · · · · · · ·	m is m		CAAGCCTA	TCATAGO	CTGTGTA	ProGlyAs	TIGGAGIT
4927	ee File Wrapper the genepept da			CACTTCT	-LysArgSer- rAGCAGATCCTO	AAATGG	PHis-	CCATAA
	Wrapper or PA pept database parameters			PATGCATO	GTCACC	GACATA	rggacac	ATAGAG
	F.			CTTTTTT	-HisLeuGlu ::: TCACCTTCAAGA	SATTACT	Pro CCTGCAGA	ACTGGCA
	M.			Se 272 TC 2554	271 CC 2494	261 GT 2434	259 .GC 2374	
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963 TTTGCC	86	903 AAAAGC		82	783 AAAGCA		81	663 TTTCAT	79	603 GGAGGA	75GlnL					423 CTGGTA	63	363 TTGTCC	60 alileLeu-	303 GCCAAG	48 GlyGln-			27 GIYVAI 184 GGGGTG	2 8	14 oGluAl			09-896-522-2 (1-2	Maccii:	Score: Percent Similarity: Best Local Similarity:
TTTGCCTCTGTGATGGCTGATAAGGATACAACAAGAAGGATCCACGTTTCAACAGATCAA		AAAAGCTTCAAAACTATTGGTGTGAAAATCTACTCATTTGGTCTTTGGGGGACGTTTCCTT	AATGGCTCCTGCAAAGCTGACCTTGGGGCTCTGGAATTATGGAGAACTTCAGACTTGGGA	1	aaagcagtatgtttggccaaatggggatcagacaacaccatcttctttacaacctatgca		ס אנים חוד איני אנים אינים היא מינים ליינים אינים אינים אינים היא אינים היא אינים אינים אינים אינים אינים אינים	TTTCATCCTCTCACTCAGATGATGTATAGCCCTCAAAATTCTGATTATCTTTTAGCTCTC		::: GAGGAAGAATCTTCAGATCATCAGATTTTGCGAAGAATTTTGTGCAAACAGATCTCCCT	γ8	 	1 1 1 1 1 1 1 1 1 1	TTTAAGGATATTACAGATCTCATCAATAACACCTTTATTCGGACTGAATTTGGCATGGCT		CTGGTAATTATGACTTTTGGACAGTCCAAGCTATATCGAAGTGAGGATTATGGGAAGAAC		<pre>::::: </pre> TTGTCCTGGGTTGGAGATAGCACTGGGGTCATTCTAGTCTTGACTACCTTCCATGTACCA	eu	TGGCC	AsnGlu			GGGTGAAGCTG-GGGGCTGCGGGCGGCGCAGCCCGGTGGCGGCTTTCCCCCGCGGGGCGCC		oGluAlaAspArgProHisGlnArgProPhe 	ATGGCCTCGGCCTCCTCCTCCTGCAGCTGCTGCCGCCGTCGACCCTCAGCCAGGACC	MetAlaSerAlaGlyGlyGluAspCysGlu	277) x US-09-	1 . 00%	284.90 13.38% y: 9.55%
GATAAGGATACA		GGTGTGAAAATO	GACCTTGGGGCT	G1yGJ	AAATGGGGATCA			ATGATGTATAGO	A]	TCATCAGATTT	1	 GGAAAGGTGGTC	Va	CTCATCAATAA	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	GACAGTCCAAC	SerGlnAspArgPheTyrLys	AGCACTGGGGT	1	 ACGCACCAGCA1	AsnGluValGluGlnArg-	CGGGCGTAGGA		AlaSerGlyLys: ::: GCGGGCGGCCGCL	-coccoccoc	sGlnArgProPl :::	TCCTCCTGCAG	GluAspCysGlı 	US-09-488-725B-6173	Gaps	Matches: Conserva Mismatch
ACAAGAAGGAT		TACTCATTTGG	CTGGAATTATG	GlyGlnTyrAsnPhe ;;; ;;;	\GACAACACCAT(3 A Transport CCCC	CCTCAAAATTC	AlaLeuLys	 GCGAAGAATTT	АlаLув	 TAACAG	Vallenmhraladin-	CACCTTTATTCG		: : :	уРћеТут∟ув	CATTCTAGTCTT		rgtgtttgatga']	CGAGGAGTGCGG	Cvacl	3SerThrVal : :AGCGCGGTGGC	ececcecteco	Je	CTGCTGCCGCCG	1	73 (1-4927)		tive:
CCACGTTTCAAC		TCTTGGGGGACG	GAGAACTTCAGA		CTTCTTTACAAC		ב	TGATTATCTTTT		TGTGCAAACAGA		 AGAGGTGTCTGGAGGAAGTCGT		GACTGAATTTGG	! ! ! ! ! !	TGAGGATTATGG		GACTACCTTCCA		 TCTCAGAGGCTC	GlnArg	CCGGGTCCGGGA	CvaCluLvaTleMetCluLeuLeu	GCGTTTCCCCGC	ecectoercies		TCGACCCTCAGO	Serp 		Tee	137 55 84
AGATCAA 1022	86	TTTCCTT 962	CTTGGGA 902	86		81		AGCTCTC 722	81	TCTCCCT 662	78		1	σ .				TGTACCA 422	62	ω				GGCGGCC 242			CAGGACC 127	SerProAlaPr 14			
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2039 CTTP		80	75	164 1921 GCTG	63	151	03	144	42		27	1623 ATTG	124	1563 TCCT	123	1503 GTGG	123	1443 GTTC	21		13	1323 GGAG	106	:: 1263 TACA	97 etHis	1203 CTCT	88		87		1023 GGG
CTTTCTCTGTGATTTTGGCTA oAlaPheGlu :::	nIleLeuThrGlnTyr-	 	gArgGlyArgAsp	CATTTTGGGCTA	AGGACTATACĆĀ	MetPheHi : : : : :	3CCAGTGGGTCT	HACCIGGAGCIA		AATGCTGGCAAA		TGGCCATTGAGC		GGACAAAGATGO		GGGATGCCATCT		CAATGGCCCCAC	1	AGAATGAGTGCA	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	GAAGGTGGACGC	GluGly	TAACAAGCGTGC	sArgTh	 ACACTACCACAC	HisProAspAla	CAATCTTTACCT			ACACATGGAGCA
GGCTACTACCGT	ThrThrPheValLys	GTTGTGACCAAG		Val 	rarggcrego	sLeuArgLeuPh :::	CCTACACCATTO	Twrearding		CCTACACGTTC	hrValValTyrE	ACAGCAGCCGTO		TGGAAGGACCC		CAGTGATGGTTC		TCTCAGÁGCCG	SerArgLeu-	GCCTTCATATTO	-ProThrTyrAs	'ACCTGAGGAAGO		TCTCCGAAGAT	-ArgThrLeuLysAsnIleVal	 GCGGAGAGACGC	Ala	CAGATGATCGAC	in Control of the Local		TGGCCCAGCTC
CTACCGTCCAGAAAATGACTCCAAGTGTGTGGAACAGCC	1eValLys				GAGAAGGACTATACCATATGGCTGGCACACTCCACAGACCCTGAAGATTATGAAGATG	MetPheHisLeuArgLeuPheValAspThrAspSerAsp- :::::: :::	ATTTAAAGAT	ICHGHRICLINGHICLINGHIL		ACCAGGGACCCC	ThrValValTyrProAlaAspValValLeuPheGluGlyIleLeu	ATTGTGGCCATTGAGCACAGCAGCCGTCCTATCAATGTGATTAAGTTCTCCACAGACGAA	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TCCTGGACAAAGATGCTGGAAGGACCCCACTATTACACCATCCTGGATTCTGGAGGCATĊ		GTGGGGATGCCATCTCAGTGATGGTTCCAGATGTGTACATCTCAGATGATGGGGGTTAC	1	GTTCCAATGGCCCCACTCTCAGAGCCGAATGCCGTAGGCATTGTCATTGCTCATGGTAGC	JLeu : : :	CATGCTTCCTAC	ProThrTyrAspPheValThrHis	CTGAAAACAGT	LysThrVa	ATTCTATCCAG	\snIleVal		PheaspasnaspLeu	GGCACAATCTTTACCTCAGATGATCGAGGCATTGTCTATTCCAAGTCTTTGGACCGACAT			GGGGACACATGGAGCATGGCCCAGCTCCCCTCCGTGGGACAGGAACAGTTCTATTCTATT
CTCCAAGTGTGT		CTGCCTCTGTTC		gArgValleuAr ::: ::: GCAAGTCATCO	ACCCTGAAGATT	spSerAsp	ATCCTTGAAAGG	GGCTTCACAGAA		ATCTATTTCACT	ValLeuPheGlu	ATTAAGTTCTCC	PI	ATCCTGGATTCT		ATCTCAGATGAT	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ATTGTCATTGCT	1	AGCATCTCCCAC	hrHis 	GAATGTGATGCT	-LysThrValGluVal	ACCATGATCACT		GTGACCTCCCTC	AspLeu	TCCAAGTCTTTC	Grand Carolina Grand		CAGGAACAGTTO
GGAACAGCC 2098		 CCTGGAGGA 2038		gAspValAr 175 		163	ACCAGCCAGTGGGTCTCCTACACCATTGATTTTAAAGATATCCTTGAAAGGAACTGTGAA 1862	101110016 1802		H	GlyIleLeu 141	ACAGACGAA 1682	ProGluThr 126	GGAGGCATĊ 1622	123	GGGGGTTAC 1562	123	CATGGTAGC 1502	123	AACAAGAATGAGTGCAGCCTTCATATTCATGCTTCCTACAGCATCTCCCAGAAACTGAAT 1442	120	GGAGGAAGGTGGACGCACCTGAGGAAGCCTGAAAACAGTGAATGTGATGCTACAGCAAAA 1382	112		105	: CGCGGCGTC 1262			Asp 87	3 CmCCCmmm 11	

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                                                                                                                                                CURRENT APPLICATION NUMBER: US/09/488,725B
CURRENT FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US 09/004,182
PRIOR PILING DATE: 1998-01-07
PRIOR PILING DATE: 1998-02-13
PRIOR FILING DATE: 1998-02-13
PRIOR APPLICATION NUMBER: US 09/045,400
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR PILING DATE: 1999-03-20
PRIOR PILING DATE: 1999-05-26
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR APPLICATION NUMBER: US 09/321,214
PRIOR APPLICATION NUMBER: US 09/131,598
PRIOR APPLICATION NUMBER: US 09/170,294
PRIOR PILING DATE: 1998-08-10
PRIOR PILING DATE: 1998-10-13
PRIOR PILING DATE: 1998-10-13
PRIOR PILING DATE: 1998-10-13
PRIOR PILING DATE: 1998-10-13
PRIOR PILING DATE: 1998-10-27
PRIOR APPLICATION NUMBER: US 09/179,473
PRIOR PILING DATE: 1998-10-27
PRIOR APPLICATION NUMBER: US 09/181,430
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US-09-488-725B-6286
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APPLICANT: Radoje T. Drmanac
TITLE OF INVENTION: Novel Cont
TITLE OF INVENTION: From Vari
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APPLICANT: John Tillinghast
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILE REFERENCE: 784
                                                                      IOR FILING DATE: 1998-01-07
IOR APPLICATION NUMBER: US 09/034,341
IOR FILING DATE: 1998-02-13
IOR APPLICATION NUMBER: US 09/045,400
IOR FILING DATE: 1998-03-20
IOR APPLICATION NUMBER: US 09/321,214
IOR APPLICATION NUMBER: US 09/321,214
IOR APPLICATION NUMBER: US 09/131,598
IOR APPLICATION NUMBER: US 09/131,598
IOR APPLICATION NUMBER: US 09/170,294
IOR APPLICATION NUMBER: US 09/179,473
IOR APPLICATION NUMBER: US 09/179,473
IOR APPLICATION NUMBER: US 09/181,430
IOR APPLICATION NUMBER: US 09/181,430
IOR APPLICATION NUMBER: US 09/181,430
IOR APPLICATION NUMBER: US 09/235,076
IOR FILING DATE: 1998-10-28
IOR APPLICATION NUMBER: US 09/235,076
IOR FILING DATE: 1999-01-20
IOR FILING DATE: 1999-01-20
IOR FILING DATE: 1999-01-20
IOR FILING DATE: 1999-01-20
IOR FILING DATE: 1999-01-20
APPLICATION NUMBER: US 09/234,611 FILING DATE: 1999-01-22 ning Prior Application data remove
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From Various Libraries
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     data removed -
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  See File Wrapper or PALM.
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                             CCCGAAGCAGCGAGCTTTGAGGCTGACCTGAAGCACTTGAAGGAGAAGGTGTCTGCGGGA 812
                                                          ProAspAla----PheAspAsnAspLeuMetHis--
                                                                                    ATCCGAAGTGAGTTTGGTGACTACTTTGACATCTGTGTGGCAGGTTACCCCAAAGGCCAC
                                                                                                                                              GGTGACCAGTGGGAAGAGGAGGAGGGAGGCTTCAACTACGCAGTGGACCTGGTGAAGCAC 692
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                                                                                                                                                                                                                                                                                                                                                                            GATGGCAGCAGGTGGCCCCCTCTACATAGACGTGACCTGGCACCCAGCAGGTGACCCTGG
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APPLICANT: Ankura Sinku APPLICANT: Chenghua Lilu APPLICANT: Chenghua Lilu APPLICANT: Radoje T. Drmanac TITLE OF INVENTION: Novel Contigs Obtained TITLE OF INVENTION: From Various Libraries FILE REFERENCE: 784 CURRENT EPLICATION NUMBER: US 09/004,182 PRIOR APPLICATION NUMBER: US 09/004,182 PRIOR APPLICATION NUMBER: US 09/043,341 PRIOR APPLICATION NUMBER: US 09/045,400 PRIOR APPLICATION NUMBER: US 09/045,400 PRIOR APPLICATION NUMBER: US 09/045,400 PRIOR APPLICATION NUMBER: US 09/031,214 PRIOR APPLICATION NUMBER: US 09/031,598 PRIOR APPLICATION NUMBER: US 09/131,598 PRIOR FILING DATE: 1998-00-10 PRIOR APPLICATION NUMBER: US 09/170,294 PRIOR APPLICATION NUMBER: US 09/170,294 PRIOR APPLICATION NUMBER: US 09/170,473 PRIOR APPLICATION NUMBER: US 09/170,473 PRIOR APPLICATION NUMBER: US 09/181,430 PRIOR FILING DATE: 1998-10-27 PRIOR FILING DATE: 1998-00-20 PRIOR APPLICATION NUMBER: US 09/235,076 PRIOR APPLICATION NUMBER: US 09/234,611 PRIOR FILING DATE: 1998-00-20 PRIOR APPLICATION NUMBER: US 09/234,611 PRIOR FILING DATE: 1999-00-20 PRIOR APPLICATION NUMBER: US 09/234,611 PRIOR FILING DATE: 1999-01-20 PRIOR APPLICATION NUMBER: US 09/234,611 PRIOR FILING DATE: 1999-01-20 PRIOR APPLICATION NUMBER: US 09/234,611 PRIOR FILING DATE: 1999-01-20 PRIOR APPLICATION NUMBER: US 09/234,611 PRIOR FILING DATE: 1998-01-28 PRIOR APPLICATION NUMBER: US 09/234,611 PRIOR APPLICATION NUMBER: US 09/234,611 PRIOR FILING DATE: 1998-01-28 PRIOR APPLICATION NUMBER: US 09/234,611 PRIOR APPLICATION NUMBER: US 09/234,611 PRIOR APPLICATION NUMBER: US 09/234,611 PRIOR APPLICATION NUMBER: US 09/234,611 PRIOR APPLICATION NUMBER: US 09/235,076 PRIOR APPLICATION NUMBER: US 09/234,611 PRIOR APPLICATION NUMBER: US 09/234,611 PRIOR APPLICATION NUMBER: US 09/234,611 PRIOR APPLICATION NUMBER: US 09/234,611 PRIOR APPLICATION NUMBER: US 09/235,076 PRIOR APPLICATION NUMBER: US 09/235,076 PRIOR APPLICATION NUMBER: US 09/235,076 PRIOR APPLICATION NUMBER: US 09/235,076 PRIOR APPLICATION NUMBER: US 09/235,076 PRIOR APPLICATION NUMBER: US 09/235,076 PRIOR APPLICATIO	le TATGAG TATGAG TATGAG

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	6529,	2957,	6792,	3298,	1697,	6619,	6870,	1372,	1809,	6728,	6056,	2484,	2571,	6143,	6989,
6143, 2571, 2571, 2571, 6056, 6728, 6728, 11809, 11809, 11870, 6870, 66870, 66870, 66870, 66870, 66870, 66870, 66870,	Ąp	Ą	Αp	Αp	Αp	Αp	Ąp	Ą	Ąp	Αp	Ą	Ą	Ąp	Ąp	Ą

ALIGNMENTS

US-09-488-725A-2647

Sequence 2647, Application US/09488725A GENERAL INFORMATION: APPLICANT: Hyseq Inc

Polypeptides

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; ORGANISM: Homo sapiens
US-09-488-725A-2647
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PRIOR FILING DATE: 2000-01-21
PRIOR PELICATION NUMBER: US/09/552,317
PRIOR PELING DATE: 2000-04-25
PRIOR PELING DATE: 2000-04-25
PRIOR PELING DATE: 2000-06-20
PRIOR PELING DATE: 2000-06-20
PRIOR PELING DATE: 2000-07-19
PRIOR PELICATION NUMBER: US/09/62,312
PRIOR PELICATION NUMBER: US/09/63,450
PRIOR PELICATION NUMBER: US/09/653,450
PRIOR PELICATION NUMBER: US/09/65,450
PRIOR PELING DATE: 2000-08-31
PRIOR PELING DATE: 2000-09-14
PRIOR PELING DATE: 2000-09-14
PRIOR PELICATION NUMBER: US/09/63,036
PRIOR PELING DATE: 2000-09-14
PRIOR PELING DATE: 2000-09-14
PRIOR PELING DATE: 2000-09-14
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Best Local S
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SEQ ID NO 2647
LENGTH: 278
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PRIOR FILING DATE: 2000-11-29
NUMBER OF SEQ ID NOS: 7144
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EQILTQYTTFVKPAFEEFCLPTKKYADVIIPRGVDNMVAINLIVQHIQDILNGDICKWHR
                                                                                          SRLPETTVVYPADVVLFEGILVFYSQEIRDMFHLRLFVDTDSDVRLSRRVLRDVRRGRDL
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GENERAL INFORMATION:
APPLICANT: HO, Yen Sen
APPLICANT: Johnson, Randall
TITLE OF INVENTION: No. 6579708el Human Uridine Kinase
FILE REFERENCE: GP50020
CURRENT APPLICATION NUMBER: US/09/536,647
                                                                                                                                      Sequence 2, Application US/09536647
Patent No. 6579708
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Matches
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SEQ ID NO 6219
LENGTH: 296
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APPLICANT: Hyseq Inc
TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides
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Best Local
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-09-488-725A-6219
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PRIOR FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US09/552,317
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CURRENT FILING DATE: 2000-12-22
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OR APPLICATION NUMBER: US09/598,042
OR FILING DATE: 2000-06-20
OR APPLICATION NUMBER: US09/620,312
OR TING DATE: 2000-07-19
OR APPLICATION NUMBER: US09/653,450
OR APPLICATION NUMBER: US09/653,450
OR FILING DATE: 2000-08-31
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FILLING DATE: 2000-09-14
APPLICATION NUMBER: US09/693,036
FILLING DATE: 2000-10-19
APPLICATION NUMBER: US09/727,344
FILLING DATE: 2000-11-29
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277; Conserv
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100.0%; Pred. No. 1.7e-116;
tive 0; Mismatches 0;
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; Sequence 3, Application US/09536647
; Patent NO. 6579708
; GENERAL INFORMATION:
APPLICANT: Ho, Yen Sen
APPLICANT: Ho, Yen Sen
APPLICANT: HO, Yen Sen
APPLICANT: HO, Yen Sen
APPLICANT: HO, Yen Sen
APPLICANT: HO, Yen Sen
APPLICANT: HO, Yen Sen
FILE REFERENCE: GP50020
CURRENT APPLICATION NUMBER: US/09/536,647
; CURRENT FILING DATE: 2000-03-27
; NUMBER OF SEQ ID NOS: 3
SOPTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 3
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; TYPE: PRT
; ORGANISM: Human
US-09-536-647-2
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; TYPE: PRT
; ORGANISM: Human
US-09-536-647-3
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NUMBER OF SEQ ID NOS: 3
SOFTWARE: FastSEQ for Windows V
SEQ ID NO 2
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Best Local Similarity
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                   EQILTQYTTFVKPAFEEFCLPTKKYADVIIPRGVDNMVAINLIVQHIQDILNGDICKWHR 240
                                                                                    SRLPETTVVYPADVVLFEGILVFYSQEIRDMFHLRLFVDTDSDVRLSRRVLRDVRRGRDL
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Pred. No. 5.3e-106;
1; Mismatches 12;
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SEQ ID NO 1839
LENGTH: 262
        Sequence 1160, Application PC/TUS0005988
GENERAL INFORMATION:
APPLICANT: Craig Rosen,
APPLICANT: Craig Rosen,
APPLICANT: Steve Ruben
TITLE OF INVENTION: Human Prostate Cancer Associated Gene Sequences and Polypeptides
FILE REFERENCE: PA101PCT
CURRENT APPLICATION NUMBER: PCT/US00/05988
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Best Local Similarity
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CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: US/09/488,725
PRIOR FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US09/552,317
PRIOR FILING DATE: 2000-04-25
CURRENT FILING DATE: 2000-03-08
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APPLICATION NUMBER: US09/662,191
FILING DATE: 2000-09-14
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FILING DATE: 2000-10-19
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US-09-488-725A-5411

Sequence 5411, Application US/09488725A
GENERAL INFORMATION:
APPLICANT: Hyseq Inc
TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides
FILE REFERENCE: 784FLPCT
CURRENT APPLICATION UNMERR: US/09/488,725A
CURRENT FILING DATE: 2000-12-22

2000-1

PRIOR APPLICATION NUMBER: US/09/488,725
PRIOR FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: US09/598,042
PRIOR FILING DATE: 2000-06-20
PRIOR FILING DATE: 2000-06-20

APPLICATION NUMBER: US09/620,312

NUMBER: US09/653,450

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EARLIER FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 1890
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1160
LENGTH: 337
TYPE: PRT
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OTHER INFORMATION:
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OTHER INFORMATION:
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LOCATION: (169)
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OTHER INFORMATION:
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336 PH
                                                  290 NLVAINLIVQHIQDILNG---
                                                                         216 NMVAINLIVOHIODILNGDICKWHRGGSNGRSYKRTFSEPGDHPGMLTSGKRSHLESSSR
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                         PH
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62.3%;
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Pred. No. 1e-69;
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US-09-488-725A-2274
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; ORGANISM: Homo sapiens
US-09-488-725A-2274
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PRIOR APPLICATION NUMBER: US09/662,191
PRIOR PLING DATE: 2000-09-14
PRIOR PRIOR APPLICATION NUMBER: US09/693,036
PRIOR FILING DATE: 2000-10-19
PRIOR PRIOR APPLICATION NUMBER: US09/727,344
PRIOR FILING DATE: 2000-11-29
PRIOR FILING DATE: 2000-11-29
PRIOR FILING DATE: 2000-11-29
PRIOR FILING DATE: 2000-11-29
PRIOR FILING DATE: 2000-11-29
                                          SEQ ID NO 2274
LENGTH: 200
TYPE: PRT
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Best Local S
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CURRENT FILING DATE: 2000-12-22
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                                                                                                                                NUMBER OF SEQ ID NOS:
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TYPE: PRT
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                                                                                                                                                                        FILING DATE: 2000-08-31
APPLICATION NUMBER: US09/662,191
FILING DATE: 2000-09-14
APPLICATION NUMBER: US09/693,036
FILING DATE: 2000-10-19
APPLICATION NUMBER: US09/727,344
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADTRLSRRVLKDISERGRDLEQILSSSTLRFVKPAFEEFCLPPKKYADVIIPRGADNRVP 291
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EITEGKTVQIPVYDFVSHSRKEETVTVYPADVVLFEGILAFYSQERIRDLFQMKLFVDTD
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                                                                                                         FL_genes_b Versions 1.0
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Pred. No. 4e-69;
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; TYPE: PRT
; ORGANISM: Homo sapiens
; NAME/KEY: misc_feature
; LOCATION: (1)...(224)
; OTHER INFORMATION: Xaa = a:
US-09-488-725A-5846
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                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQ ID NOS: 7144
SOFTWARE: pt FL genes_b Versions 1.0
SEQ ID NO 5846
LENGTH: 225
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Best Local
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                                                                                                                                                                                                                                                             Query Match
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PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: US09/598,042
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CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: US/09/488,725
PRIOR FILING DATE: 2000-01-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILE REFERENCE: 784FLPCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION: Novel Nucleic Acid and
                                                                                                                                                                                                                        Local Similarity
es 34; Conserv
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APPLICATION NUMBER: US09/620,312
FILING DATE: 2000-07-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US09/727,344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US09/693,036 FILING DATE: 2000-10-19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 2000-08-31
APPLICATION NUMBER: US09/662,191
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                                     142 VFYSQEIRDMFHLRLFVDTDSDVRLSRRVLR 172
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107
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                                                                                                                                                                                     22 RPFLIGVSGGTASGKSTVCEKIMELLGQNEVEQRQRKVVILSQDRFYKVLTAEQKAKALK 81
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                                                                        GFLQYDVLEALNMEKMMSAISCWMESARHSVVSTDQESAEEIP---
                                                                                                           GOYNFDHPDAFDNDLMHRTLKNIVEGKTVEVPTYDFVTHSRLPETTVVYPADVVLFEGIL 141
                                                                                                                                                KTFIIGISGVTNSGKTTLAKNLQKHLPNCSV-----ISQDDFFKPESEIETDK--N
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LENYKPLDTIWNRSYFLTIPYEECKRRRSTR
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Pred. No. 0.
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RESULT 10 US-09-488-725A-3156 ; Sequence 3156, Application US/09488725A

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                                                                                                                                                                                                                                                                                 PRIOR APPLICATION NUMBER: US/09/488,725
PRIOR FILING DATE: 2000-01-21
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CURRENT FILING DATE: 2000-12-22
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TYPE: PRT
ORGANISM: Homo sapiens
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                                                                                                                                                           APPLICATION NUMBER: US09/598,042
FILING DATE: 2000-06-20
APPLICATION NUMBER: US09/620,312
FILING DATE: 2000-07-19
                                      APPLICATION NUMBER: US09/662,191
FILING DATE: 2000-09-14
APPLICATION NUMBER: US09/693,036
FILING DATE: 2000-10-19
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                                                                                                                       APPLICATION NUMBER: US09/653,450 FILING DATE: 2000-08-31
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APPLICATION NUMBER: US09/727,344 FILING DATE: 2000-11-29
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     134 -- VVLFEGILVFYSQEIRDMFHLRLFVDTDSDVRLSRRVLRDVRRGRDLE 181
                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US/09/488,725A FILING DATE: 2000-12-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           62 GDINRKVLGDLIFNQPD-----RRQLLNAI--
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                24 FLIGVSGGTASGKSTVCEKIMEL-LGQNEVEQRQRKVV---ILSQDRFYKVLTAE----
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LING DATE: 2000-10-19
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Pred. No. 0
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; ORGANISM: Homo sapiens
; NAME/KEY: misc feature
; LOCATION: (1)...(1848)
; OTHER INFORMATION: Xaa = any amino acid or nothing
US-09-488-725A-5819
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US-09-488-725A-5453
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                                                                      SOFTWARE: pt_FL_genes_b Versions 1.0 SEQ ID NO 5453
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SEQ ID NO 5819
LENGIH: 1863
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                                                                                                                 NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION NUMBER: US/09/488,725A
CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION UMBER: US/09/488,725
PRIOR FILING DATE: 2000-01-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Hyseq Inc
TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides
              TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: US09/552,317
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nes 62; Conserv
                                                                                                                                     FILING DATE:
                                                                                                                                                                                          APPLICATION NUMBER: US09/693,036
                                                                                                                                                                      FILING DATE:
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                                                                                                                                                                                                                                APPLICATION NUMBER: US09/662,191
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              326 PTPQNDAITVHFKPITLKAS---ESKYTKVASISFDASKAKKPSQFSGKITVKAKEKSYS 382
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      70 VLTAEQKAKALKGQYNFDHFDAFDNDLMHRTLKNIVEGKT--VEVPTYDFVTHSRLFETT 127
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                                                                                                                                                                                                                                                                                                           CATION NUMBER: US09/620,312
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                                                                                                                                                                                                                                                                                                                                                CATION NUMBER: US09/598,042
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                                                                                                                                                                                                                                                                     CATION NUMBER: US09/653,450
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           43;
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Pred. No. 10;
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Query Match

5.3%;

Score 76.5;

BB

1;

Length 470;

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RESULT 14
PCT-US00-05988-1515
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US-09-488-725A-5454
                                                           Sequence 1515, Appl. GENERAL INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: pt FL genes b Versions 1.0
SEQ ID NO 5454
LENGTH: 471
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Matches 36; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
APPLICANT: Craig Rosen, APPLICANT: Steve Ruben TITLE OF INVENTION: Hum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: US09/693,036
PRIOR FILING DATE: 2000-10-19
PRIOR APPLICATION NUMBER: US09/727,344
PRIOR FILING DATE: 2000-11-29
NUMBER OF SEQ ID NOS: 7144
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ENERAL INFORMATION:
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APPLICATION NUMBER: US09/598,042
FILING DATE: 2000-06-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US09/620,312
FILING DATE: 2000-07-19
APPLICATION NUMBER: US09/653,450
FILING DATE: 2000-08-31
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          36 AAAPGEQAVAGPAPSTVPSSTSKDRPVSQPSLVGSKEEPPPARSGSGG-GSAKEPQEERS 94
                                                                                                                                                                                                                                                                                            44
                                                                                                                                                                                                                                                                                                                                   36 AAAPGEQAVAGPAPSTVPSSTSKDRPVSQPSLVGSKEEPPPARSGSGG-GSAKEPQEERS 94
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                                                                                                                                                                                                                                                          QQ---QDDIEELETKAVGMSNDGRFLK--
                                                                                                                                                                                                                                                                                          MELLGQNEVEQRQRKVVILSQD-RFYKVLTAEQKAKALKGQYNFDHPDAFDNDLMHRTLK 102
                                                                                                                                                                                                                                                                                                                                                                          ASAGGEDC-ESPAPEA-----DRPHQRPFLIGV----
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                                                                             Application PC/TUS0005988
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Prostate Cancer Associated Gene Sequences and Polypeptides
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Pred. No. 2;
16; Mismatches
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6; Mismatches 33;
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PCT-US00-05988-1515
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SEQ ID NO 1515
LENGTH: 479
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CURRENT FILING DATE: 2000-03-08
EARLIER APPLICATION NUMBER: 60/124,270
EARLIER FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 1890
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                                                                              292
                                                                                                                                                                                            154 LRLFVDTDSDVRLSRRVL----RDVRRG-RDLEQILTQYTTFVK-PAFE---EFCLPTKK 204
                                                                                                                                                                                                                                    184 PMPQTREHLLLARQIGV------EHVVVYVNKADAVQDSEMVELVBLEIRELLT
                                                                                                                                                                                                                                                                                                                  124 NAPEERARGITINAAHVEYSTAARHYAHTDCPGHADYVKNMITGTAPLDGCILVVAANDG 183
                                                                                                                                                                                                                                                                           96 LMHRTLKNIVEGKTVEVPTYDFVTHSRLPETTVVY--PADVVLFEGILVFYSQEIRDMFH 153
                                                                                                                                                                                                                                                                                                                                                       50 NEVEQRORKVVI------DAFDND
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Similarity
                                                                              VYSVPGRGTVVTGTLERGI--
HKSLER--AEAGDNLGALVRGLKREDLRRGLVMVKPGSIKPH
                                  --SYKRIFSEPGDHPGMLTSG-KRSHLE-----SSSRPH 277
                                                                                                                     YADV---
                                                                                                                                                            EFGYKGEETPVIVGSALCALEGRDPELGLKSVQKLLDAVDTYIPVPARDLEKPFLLPVEA
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                                                                                                                     ---IIPRGVDNMVAINLIVQHIQDILNGDICKWHRGGSNGR------
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Pred. No. 2.1;
6; Mismatches 120;
                                                                              ---LKKGDECELLGHSKNIRTVVTGIEMF 336
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RESULT 15 US-09-488-725A-2247 NUMBER OF SEQ ID NOS: 71 SOFTWARE: pt_FL_genes_b SEQ ID NO 2247 Sequence 2247, Appl: GENERAL INFORMATION PRIOR APPLICATION PRIOR FILING DATE: CURRENT APPLICATION NUMBER: US/09/488,725A
CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION UNMBER: US/09/488,725
PRIOR FILING DATE: 2000-01-21 FILE REFERENCE: 784FLPCT PRIOR APPLICATION NUMBER: US09/552,317 PRIOR FILING DATE: 2000-04-25 TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides ORGANISM: Homo sapiens ENGTH: APPLICATION NUMBER: US09/727,344 FILING DATE: 2000-11-29 FILING DATE: 2000-09-14 FILING DATE: APPLICATION NUMBER: US09/598,042 APPLICATION NUMBER: US09/653,450 APPLICATION NUMBER: US09/620,312 APPLICATION NUMBER: US09/693,036 FILING DATE: CATION NUMBER: Application US/09488725A 2000-10-19 2000-08-3 2000-07-19 2000-06-20 Versions 1.0 US09/662,191

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SEQ ID NO 2852
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Best Local Similarity
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                                                                                                                                                                                                                                                                                               ORGANISM: Homo sapiens
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URRENT FILING DATE: 2000-12-22
                                                                                                                                                                                                                                                                                                                                       LENGTH: 388
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APPLICATION NUMBER: US/09/488,725
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 2000-01-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US09/693,036
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US09/552,317
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123 LPETTVVYPADVVLFEGI 140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               448 EASNILFA----IINSNPIELAIKSWHIIG-DGLSIELVAVERGNRTTIISS 494
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        351 ----FAILIHDVLL--PEEAKTMFKVHNFSKPVLILPNESGYIFTLLFMPSTSSMHIDN 403
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                128 VVYPADVVLFEGILVFYSQEIRDMFHLR-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       306 KLEIPYQAEVLDGYLGFDHA-----ATLFHIRDSPADPVERPIYLTNTFS-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    249 PTPQNDAITVHFKPITLKAS---ESKYTKVASISFDASKAKKPSQFSGKITVKAKEKSYS
                                                                          63 SQDRFYKVLTAEQKAKALKGQYNFDHPDAFDNDLMHRTLKNIVEGKTVEVPTYDFVTHSR 122
                                                                                                                                                17 DRPHQRPFLIGVSGGTASGKS---TVCEKIMELLGQNEV--EQRQRKVVIL------
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            70 VLTAEQKAKALKGQYNFDHPDAFDNDLMHRTLKNIVEGKT--VEVPTYDFVTHSRLPETT 127
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    60;
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                                                                                                                 ERTROLLFVVDISGFOLSSHTQYRTAFETIILLTKELELYKEELQTKPALLAVNKMDLPD
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Pred. No. 1.
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Pred. No. 1
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                                                                                                                                                                                                                                   DB 1; Length 387;
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                                     DFLHLFEKNMIPERTVE-----FQH-- 320
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RESULT 18
PCT-US00-05988-1494
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                                                        SOFTWARE: PatentIn Ver. SEQ ID NO 1494
                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                        Sequence 1494,
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Best Local (
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SEQ ID NO 6424
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                                                                                          FILE REFERENCE: PA101PCT
CURRENT APPLICATION NUMBER: PCT/US00/05988
CURRENT FILING DATE: 2000-03-08
EARLIER APPLICATION NUMBER: 60/124,270
EARLIER FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 1890
                                                                                                                                                                                                          APPLICANT: Craig Rosen,
APPLICANT: Steve Ruben
TITLE OF INVENTION: Human Prostate Cancer Associated Gene Sequences and Polypeptides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQ ID NOS:
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CURRENT FILING DATE: 2000-12-22
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TITLE OF INVENTION:
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TYPE: PRT
ORGANISM: Homo sapiens
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PRIOR APPLICATION NUMBER: US09/552,317
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                    TYPE: PRT
ORGANISM: Homo sapiens
                                        LENGTH: 469
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   63 SODRFYKVLTAEOKAKALKGOYNFDHPDAFDNDLMHRTLKNIVEGKTVEVPTYDFVTHSR 122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               17 DRPHORPFLIGVSGGTASGKS---TVCEKIMELLGQNEV--EQRORKVVIL------
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US-09-488-725A-6014
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US-09-488-725A-6014
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Best Local Similarity
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SEQ ID NO 6014
                                                                                                                                                                                                            Matches
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CURRENT FILING DATE: 2000-12-22
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FILE.REFERENCE: 784FLPCT
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                                                                                                                                                                                                                                                                                                                        TYPE: PRT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US09/620,312 FILING DATE: 2000-07-19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US09/662,191
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                                                        240 YATIDKTRDABALVGQVLVKPYIDEVIIEQFVESHPNGLQVMYNKLLBFVPHHCRLLREV 299
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                                                                                                                                                                                                           53;
VEG-----KTVEVPTYDFVTHSRLPETTVVYPADVV-LFEGILVFYSQEIRDMFHLRLFV 158
                                                                                           YKVLTAEQKAKALKG--
                                                                                                                                CQSKGMPLLDKVRPR-----IAGITAMLQQSLEGLLLEGLQTSDVD-----IIRHCLRT 239
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   QEIRDMFHLRLFVDTDSDVRLSRRVLRDVRRGR-----DLEQI 183
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Pred. No. 4;
31; Mismatches
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US-09-488-725A-3018

Sequence 3018, Application US/09488725A
GENERAL INFORMATION:
APPLICANT: Hyseq Inc
TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides
FILE REFERENCE: 784FLPCT

FILE REFERENCE: 784FLPCT
CURRENT APPLICATION NUMBER: US/09/488,725A
CURRENT FILING DATE: 2000-12-22

PRIOR APPLICATION NUMBER: US/09/488,725 PRIOR FILING DATE: 2000-01-21

RIOR APPLICATION NUMBER: US09/552,317

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RESULT 21
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SEQ ID NO 2442
LENGTH: 739
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PRIOR FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US09/552,317
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CURRENT FILING DATE: 2000-12-22
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APPLICATION NUMBER: US09/598,042
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US09/693,036
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE:
                                                                                                                                                                                                             248 GQVLVKPYIDEVIIEQFVESHPNGLQVMYNKLLEFVPHHCRLLREVTGGAISSEKGNTVP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        300 TGGAISSEKGNTVPGYDFLVNS------VWPQIVQGLEEKLPSLFNPGNPDAFHEKYTI
                                                                                            171 LRDVRRGRDLEQILTQYTTFVKPAFEEFCLPTKKY
                                                                                                                                                                                                                                                                                        197 RPRIAGI---TAMLQQSLEGLLLEGLQTSDVD-----IIRHCLRTYATIDKTRDAEALV 247
                                                                                                                                                                                                                                                                                                                            22 RPFLIGVSGGTASGKSTVCEKIMELLGQNEVEQRQRKVVILSQDRFYKVLTAEQKAKALK
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                                                                                                                                      GYDFLVNS-
                                                         QASVKRLR-----AHPAYHSF---NKKW 380
                                                                                                                                                                     TYDFVTHSRLFETTVVYPADVV-LFEGILVFYSQEIRDMFHLRLFVDTDSDVRLSRRV--
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                                                                                                                                                                                                                                                                                                                                                                 Conservative
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                                                                                                                                  -----VWPQIVQGLEEKLPSLFNPGNPDAFHEKYTISMDFVRRLERQCGS
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23.3%; Pred
14.8%; 31;
                                                                                                                                                                                                                                                   QYNFDHPDAFD---NDLMH----RTLKNIVEG-----KTVEVP
                                                                                                                                                                                                                                                                                                                                                               Score 70; DB 1;
Pred. No. 13;
11; Mismatches 7
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                                                                                              205
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                                                                                                                                                                                                                                                                                                                                                                                                     Length 738;
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Best Local Similarity
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SEQ ID NO 3018
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
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PRIOR FILING DATE: 200 NUMBER OF SEQ ID NOS:
                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: US/09/488,725
PRIOR FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: US09/598,042
                                                                                                                                                                                                                                                                                                                                                    FILE REFERENCE: 784FLPCT
TURRENT APPLICATION NUMBER: US/09/488,725A
TURRENT FILING DATE: 2000-12-22
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                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides
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                                                           FILING DATE: 2000-09-14
APPLICATION NUMBER: US09/693,036
FILING DATE: 2000-10-19
                                        APPLICATION NUMBER: US09/727,344
                                                                                                                                          APPLICATION NUMBER: US09/653,450 FILING DATE: 2000-08-31
                                                                                                                                                                                                      APPLICATION NUMBER: US09/620,312
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APPLICATION NUMBER: US09/662,191
FILING DATE: 2000-09-14
APPLICATION NUMBER: US09/693,036
FILING DATE: 2000-10-19
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                                                                                                 APPLICATION NUMBER: US09/662,191 FILING DATE: 2000-09-14
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Application US/09488725A
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Pred. No. 9.
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US-09-488-725A-6591
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LENGTH: 507
; TYPE: PRT
; ORGANISN: Homo sapiens
US-09-488-725A-6590
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                                                                                                                                                                                                                                                                                NUMBER OF SEQ ID NOS: 7144
SOFTWARE: pt_FL_genes_b Ve
SEQ ID NO 6591
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Best Local Similarity 20.6
Matches 53; Conservative
                                                                                                                   Query Match 4.8%; Score 69; DB Best Local Similarity 20.6%; Pred. No. 9.6; Matches 53; Conservative 38; Mismatches
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GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: US09/552,317
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides
                                                                                                                                                                                                                                             TYPE: PRT
                                                                                                                                                                                                                                                                LENGTH: 507
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 2000-04-25
APPLICATION NUMBER: US09/598,042
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                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US09/727,344
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US09/653,450
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                                       293 CESPKPKPSRPE----LTILSPTSENNKKLFNDLFK-NNANRAENTERK---QNQNYFM 343
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   431
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69 KVLTAEQKAKALKGQYNFDHPDAFDNDLMHRTLKNIVEGKTV-EVPTYDFVTHSRLPETT 127
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                                                                             CESPAPEADRPHORPFLIGVSGGTASGKSTVCEKIMELLGQNEVEORORKVVILSODRFY
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20.6%; Pred. No. 9.6;
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                                                                                                                                                           DB 1; Length 507;
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GENERAL INFORMATION:

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US-09-488-725A-3448
; Sequence 6346, Application US/09488725A
                   RESULT 25
US-09-488-725A-6346
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Best Local &
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PRIOR FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US09/552,317
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CURRENT FILING DATE: 2000-12-22
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TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides
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APPLICATION NUMBER: US09/620,312
FILING DATE: 2000-07-19
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APPLICATION NUMBER: US09/598,042
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                                                                                                                                                                                                                                                                           372 ---ASVFSFGLGAQAASRAELQHIATDDNLVFTVPEFRSFGDLQEKLLPYIVGVAQRHIV 428
                                                                                                                                                                                                                                                                                                                                                                 312 LGFAGGELANIGLALDFVVENHFTRAGGSRVEEGVPQVLVLISAGPSSDEIRYGVVALKQ 371
                                                                                                         486
                                                                                                                                            184 LTQYTTFVKPAFEEFCLPTKK 204
                                                                                                                                                                                                                                                                                                                                                                                                      26 IGVSGGTASGKSTVCEKIME----LLGQNEVEQRQRKVVIL-----SQDRFYKVLTAEQ 75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LING DATE:
                                                                                                                                                                                                                                                                                                                     76 KAKALKGQYNFDHPDAFDNDLMHRTLKNIVEGKTVEVPTYDFVTHSRLPETTVVYPADVV 135
                                                                                                                                                                                                                                                                                                                                                                                                                                             ch 4.8%;
1 Similarity 22.4%;
45; Conservative 3
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                                                                                                         VAQYADTVRPEFYFNTHPTKR 506
                                                                                                                                                                                                                                 LFEGILVFYSQEI--RDMFHLRLFVDTDSDVRLSR-----RVLRDVRRGRDLEQI- 183
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Pred. No. 1.1e+02;
36; Mismatches 92;
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US-09-488-725A-6347; Sequence 6347, Application US/09488725A; GENERAL INFORMATION:
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NUMBER OF SEQ ID NOS: 7
SOPTWARE: pt_FL_genes_b
SEQ ID NO 6346
LENGTH: 796
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CURRENT FILING DATE: 2000-12-22
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TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides
                                                                       CURRENT APPLICATION NUMBER: US/09/488,725A
CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: US/09/488,725
PRIOR FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US/09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: US/09/598,042
                                                                                                                                                                                                                          APPLICANT: Hyseq Inc
TITLE OF INVENTION: Novel Nucleic Acid and
FILE REFERENCE: 784FLPCT
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PRIOR FILING DATE: 2000-06-20
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                 PRIOR FILING DATE: 2000-06-20
PRIOR APPLICATION NUMBER: US09/620,312
PRIOR FILING DATE: 2000-07-19
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ORGANISM: Homo sapiens
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49; Conserv
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NUMBER: US09/653,450
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18.7%; Pred. No. 19;
ative 45; Mismatches
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PRIOR APPLICATION NUMBER: US09/662,191
PRIOR FILING DATE: 2000-09-14
PRIOR FILING DATE: 2000-10-19
PRIOR FILING DATE: 2000-10-19
PRIOR APPLICATION NUMBER: US09/727,344
PRIOR FILING DATE: 2000-11-29
PRIOR TILING DATE: 2000-11-29
NUMBER OF SEQ ID NOS: 7144
SOFTWARE: pt FL_genes_b Versions 1.0
SEQ ID NO 6347
LENGTH: 796
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PCT-US00-05988-1543
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PCT-US00-05988-1543
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SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1543
LENGTH: 239
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                                                                                                                                                                                                                                               Query Match
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CURRENT FILING DATE: 2000-03-08
EARLIER APPLICATION NUMBER: 60/124,270
                                                                                                                                                                                                                                                                                                                                                                                                                              EARLIER FILING DATE: 1999-03-12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION: Human Prostate Cancer Associated Gene Sequences and Polypeptides
FILE REFERENCE: PA101PCT
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159 DTDSDV 164
                                    187 -----LARKLIGDPNLEFVAMPALA-----PPEVVMDPALAAQYEHDL-EVAQTTALP 233
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                                                                                                                                          39 VCEKIMELLGONEVEQRQRKVVILSQDRFYKVLTAEQKAKALKGQYNFDHFDAFDNDLMH
                                                                          99 RTLKNIVEGKTVEVPTYDFVTHSRLPETTVVYPADVVLFEGILVFYSQEIRDMFHLRLFV 158
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                                                                                                                                                                                                                       Similarity
                                                                                                                   VCENIPIVLCGNKVDIKDRKVKAKS-IVFHRKKNLQYYDISAKSNYNFEKPFLW-----
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                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                     4.7%;
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                                                                                                                                                                                                  Score 68; DB 3;
Pred. No. 4.3;
1; Mismatches 5
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                                                                                                                                                                                                                                      Length 239;
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US-09-488-725A-6550
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SEQ ID NO 2978
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                                       CURRENT APPLICATION NUMBER: US/09/488,725A
CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: US/09/488,725
PRIOR FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US/09/552,317
PRIOR PILING DATE: 2000-04-25
PRIOR PILING DATE: 2000-06-20
PRIOR FILING DATE: 2000-06-20
PRIOR FILING DATE: 2000-06-20
                                                                                                                                                                                                                                     APPLICANT: Hyseq Inc
TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides
                                                                                                                                                                                                                         FILE REFERENCE: 784FLPCT
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TYPE: PRT
ORGANISM: Homo sapiens
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CURRENT FILING DATE: 2000-12-22
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PRIOR APPLICATION NUMBER: US09/552,317
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APPLICATION NUMBER: US09/620,312 FILING DATE: 2000-07-19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           182 DKES-VILINKRVABEQIVECVKTREIQHQERQIAKEQIQKVQAICIPIDKDKFEMDIRNI
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PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: US09/693,036
PRIOR APPLICATION NUMBER: US09/727,344
PRIOR FILING DATE: 2000-11-29
PRIOR FILING DATE: 2000-11-29
NUMBER OF SEQ ID NOS: 7144
SOFTWARE: pt_FL_genes_b Versions 1.0
SEQ ID NO 6550
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US-09-488-725A-6550
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Best Local Similarity
                                                                                                                   Matches
                                                                                                                                                                                                                                                                           SEQ ID NO 2774
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                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                       SOFTWARE: pt_FL_genes_b Versions 1.0
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                                                                                                                                                                                                          TYPE: PRT
ORGANISM: Homo sapiens
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                                                                                                                 4.6%; Score 66.5; I Match 4.6%; Score 66.5; I Local Similarity 18.7%; Pred. No. 28; es 49; Conservative 45; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: 2000-01-2
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                                      365 AVETQRRKLLAYLIADQGQLLGAGTLTNLSQVVRRRTQRRKSTITALLFGEDDLEALKAK 424
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59 VVILSQDRFYKVLTAEQKAKALKGQYNFDHPDAFDNDLMHRTLKNIVEGKTVEVPTYDFV 118
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                                                                          APEADRPHQRPFLIGVSG-----GTASGKSTVCEKIME-----LLGQNEVEQRQRK 58
                                                                                                                                                                                                                                                                                                                                                    CATION NUMBER: US09/727,344
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27.5%;
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Pred. No. 14;
13; Mismatches
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                                                                                                                                                     DB 1;
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RESULT 31
US-09-488-725A-6989
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                                                                                                   US-09-488-725A-6143
                                                                                                                   RESULT 32
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US-09-488-725A-6989
Sequence 6143, Application US/09488725A
GENERAL INFORMATION:
APPLICANT: Hyseq Inc
TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides
FILE REFERENCE: 784FLPCT
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GENERAL INFORMATION:
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: US09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: US09/598,042
PRIOR FILING DATE: 2000-06-20
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PRIOR FILING DATE: 2000-08-31
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NITLE OF INVENTION: Novel Nucleic Acid and Polypeptides
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        425 NIKQTE-----LVADLREAILRVARHFQCTDPKNCSVVSRQLPGL---
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                                                                                                                                                                                                                                                                                          -----ILSODRFYKVLTAEQKAKALKGQYNFDHPDAFDNDLMHRTL----KNI 104
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8; Mismatches
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Pred. No. 11;
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SEQ ID NO 6143
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                                                                                                                                                                                                                                                                                                              CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: US/09/488,725
PRIOR FILING DATE: 2000-01-21
                                                                                                                                                                                                                                                                                                                                                          FILE REFERENCE: 784FLPCT
CURRENT APPLICATION NUMBER: US/09/488,725A
CURRENT FILING DATE: 2000-12-22
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PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: US09/598,042
PRIOR FILING DATE: 2000-06-20
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CURRENT FILING DATE: 2000-12-22
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                 FILING DATE: 2000-10-19
APPLICATION NUMBER: US09/727,344
FILING DATE: 2000-11-29
                                                                                                                                          APPLICATION NUMBER: US09/653,450 FILING DATE: 2000-08-31
                                                                                                                                                                                    FILING DATE: 2000-07-1
                                                                                                                                                                                                        APPLICATION NUMBER: US09/620,312
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APPLICATION NUMBER: US09/598,042
FILING DATE: 2000-06-20
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FILING DATE: 2000-07-19
APPLICATION NUMBER: US09/653,450
FILING DATE: 2000-08-31
                                                                                                   APPLICATION NUMBER: US09/662,191 FILING DATE: 2000-09-14
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FILING DATE: 2000-09-14
APPLICATION NUMBER: US09/693,036
FILING DATE: 2000-10-19
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                                                                          APPLICATION NUMBER: US09/693,036
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SEQ ID NOS:
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; ORGANISM: Homo sapiens
US-09-488-725A-2571
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SEQ ID NO 2484
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SEQ ID NO 2571
LENGTH: 889
                                                                                                                                     Matches
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Best Local
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TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: US09/552,317
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                                                                                                                                                                                                                                     TYPE: PRT
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                                                                                                                                                                                                                   ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                      LENGTH: 1047
                                                                                                                                                 Local Similarity
                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US09/727,344
                                                                                                                                                                                                                                                                                                                                                         FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US09/693,036
                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US09/620,312 FILING DATE: 2000-07-19
                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US09/662,191
                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US09/653,450
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 2000-06-20
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                                                                  840 CAHAAGVLMEPDDWPYVVNITCFRHKVNPNVKSKACEKVIS-VGQTVITKHRNTRYYSCR
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899 VMAVTSOTFYEVMFDD--
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                                 59 VVILSQDRFYKVLTAEQKAKALKGQYNFDHPDAFDNDLMHRTLKNI---VEGKTVEVPTY 115
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                                                                                                9 CESPAPEADRPHQRPFLIGVS----GGTASGKSTVCEKIMELLGQNEVEQRQR-----K
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                                                                                                                                   Conservative
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Pred. No.
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GSFS---RDTFPEDIVSRDCLKLGPPAEGEVVQVKWP 948
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                                                                                                                                                                 Length 1047;
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RESULT 36
US-09-488-725A-6728
; Sequence 6728, Application US/09488725A
; GENERAL INFORMATION:
; APPLICANT: Hyseq Inc
; TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides
; FILE REFERENCE: 784FLPCT
; CURRENT APPLICATION NUMBER: US/09/488,725A
; CURRENT FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US/09/488,725
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US-09-488-725A-6056
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PRIOR APPLICATION NUMBER: US09/727,344
PRIOR FILING DATE: 2000-11-29
NUMBER OF SEQ ID NOS: 7144
SOFTWARE: pt FL genes_b Versions 1.0
SEQ ID NO 6056
LENGTH: 1105
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GENERAL INFORMATION:
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Best Local
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PRIOR FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US09/552,317
PRIOR FILING DATE: 2000-04-25
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CURRENT APPLICATION NUMBER: US/09/488,725A
CURRENT FILING DATE: 2000-12-22
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TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OR APPLICATION NUMBER: US09/620,312
OR FILING DATE: 2000-07-19
OR APPLICATION NUMBER: US09/653,450
OR FILING DATE: 2000-08-31
OR APPLICATION NUMBER: US09/662,191
OR FILING DATE: 2000-09-14
OR APPLICATION NUMBER: US09/693,036
OR APPLICATION NUMBER: US09/693,036
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Similarity 20.5%;
38; Conservative ;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             VVILSQDRFYKVLTAEQKAKALKGQYNFDHPDAFDNDLMHRTLKNI---VEGKTVEVPTY 115
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CESPAPEADRPHQRPFLIGVS----GGTASGKSTVCEKIMBLLGQNEVEQRQR-----K 58
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8; Mismatches
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Pred. No.
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SEQ_ID_NO_6728
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SEQ ID NO 1809
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CURRENT APPLICATION NUMBER: US/09/488,725A
CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: US/09/488,725
PRIOR APPLICATION NUMBER: US/09/488,725
PRIOR FILING DATE: 2000-01-21
PRIOR FILING DATE: 2000-04-25
PRIOR FILING DATE: 2000-04-25
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NUMBER OF SEQ ID NOS: 7144
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PRIOR APPLICATION NUMBER: US09/727,344
PRIOR FILING DATE: 2000-11-29
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PRIOR FILING DATE: 2000-11-29
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                                                                                                               LENGTH: 5
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y Match
4.5%; Score 65.5; I
Local Similarity 18.7%; Pred. No. 21;
hes 62; Conservative 44; Mismatches
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Pred. No. 3.7;
17; Mismatches
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                                      Length 545;
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   Indels 123;
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PCT-US00-05988-1372
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SEQ ID NO 1372
LENGTH: 327
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Best Local Similarity
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                                                                      APPLICANT: Hyseq Inc
TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides
FILE REFERENCE: 784FLPCT
CURRENT APPLICATION NUMBER: US/09/488,725A
CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: US/09/488,725
PRIOR FILING DATE: 2000-01-21
PRIOR FILING DATE: 2000-01-21
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  PRIOR APPLICATION NUMBER: U809/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: U809/598,042
PRIOR FILING DATE: 2000-06-20
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                                                                                                                                                                                                                                                                                                                                                        ----LHKBIPETT
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                                        ; ORGANISM: Homo sapiens US-09-488-725A-6619
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SEQ ID NO 6619
LENGTH: 198
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Query Match
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                                                                                                                                                            NUMBER OF SEQ ID NOS: 7144
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                                                                                 TYPE: PRT
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nes 48; Conserv
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FILING DATE: 2000-07-19
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4.48;
Score
64;
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NUMBER OF SEQ ID NOS: 7144
SOFTWARE: pt_FL_genes_b Versions 1.0
SEQ ID NO 6870
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CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: US/09/488,725
                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION NUMBER: US09/552,317 PRIOR FILING DATE: 2000-04-25
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TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides
                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US09/598,042
APPLICATION NUMBER: US09/727,344
                                                     APPLICATION NUMBER: US09/693,036
                                                                                                     PILING DATE: 2000-08-31
APPLICATION NUMBER: US09/662,191
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APPLICATION NUMBER: US09/727,344
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APPLICATION NUMBER: US09/662,191
FILING DATE: 2000-09-14
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             160 TDSDVRLSRRVLRDVRRGRDLEQILTQYTTFVKPAFEEFCLPTKKYADVIIPRGVDNMVA 219
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            112 VPTY-DEVTHSRLPETTVVYPADVVLFEGILV-FYSQEIRDM------FHLRLFVD-
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; LOCATION: (267)
; OTHER INFORMATION:
PCT-US00-05988-1697
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Best Local Similarity
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CURRENT FILING DATE: 2000-03-08
EARLIER APPLICATION NUMBER: 60/124,270
EARLIER FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 1890
SOFTWARE: Patentin Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Craig Rosen,
APPLICANT: Steve Ruben
TITLE OF INVENTION: Human Prostate Cancer Associated Gene Sequences and Polypeptides
FILE REFERENCE: PA101PCT
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NAME/KEY: SITE
LOCATION: (256)
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OTHER INFORMATION:
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OCATION: (258)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   53 SSVEGKQ-NLVIMGRKTWFSI---PEKNRPLKDRINL---
                                                                                   50 NEVEORORKVVILSODRFYKVLTAEQKAKALKGQYNFDHPDAFDNDLMHRTLKNIVEG--
                                                                                                                                                                  12 PAPEADRPHQRPFLIGVSGGTASGKST----VCBKIMELLGQNEVEQRQRKVVILSQDRFY 68
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VEGEKGAEAANVTGPDGVPVEG 122
                                                                                                                                  PAPAA-----HVAGNPGGDAAPAATGTAAAASLATAAGSEDAEKKVLATKVLGTVKWF 53
                               VTHSRLPETTVVYPADVVLFEG 139
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Pred. No. 11;
24; Mismatches
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US-09-488-725A-3298
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Best Local
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PRIOR APPLICATION NUMBER: US09/598,042
PRIOR FILING DATE: 2000-06-20
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PRIOR FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US09/552,317
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CURRENT FILING DATE: 2000-12-22
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TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                         LENGTH: 338
TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RIOR APPLICATION NUMBER: US09/620,312
                                                                                                                                                                                                                                                                                      Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US09/693,036 FILING DATE: 2000-10-19
                                                                                                                               179
                                                                                                                                                                                                                     130 YPADVVLFEGILV-FYSQEIRDM------FHLRLFVD-TDSDVRLSRRVLRDVRRGR 178
                                                                                                                                                                                                                                                                   43;
FFTSDNGAALÍSAPEQGGSNGPFLCGKQTTFEGGMREPALAWWPGHVTAGQVSH 152
                                                                                                                             DLEQILTQYTTFVKPAFEEFCLPTKKYADVIIPRGVDNMVAINLIVQHIQDILNGD-----
                                                                                                                                                                         FPINLKTGEANLTQIYLQEALDFIKRQARHHPFFLYWAVDATHAPVYASKPFLGTSQRGR
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24.7%;
                                         CKWHRGGSNGRSY--KRTFSEPGDH-----
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Pred. No. 15;
19; Mismatches
                                                                                     YGDAV--REIDD--SIGKILELLQDLHVADNTFV
                                                                                                                                                                                                                                                                                                             1; Length 337;
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                                         PGMLTSGKRSH
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RESULT 43 US-09-488-725A-6792 Sequence 6792, Application US/09488725A GENERAL INFORMATION: PRIOR PRIOR FILE REFERENCE: 784FLPCT
CURRENT APPLICATION NUMBER: US/09/488,725A
CURRENT FILING DATE: 2000-12-22 APPLICANT: Hyseq PRIOR APPLICATION NUMBER: US/09/488,725 PRIOR FILING DATE: 2000-01-21 TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides PRIOR APPLICATION NUMBER: US09/552,317
PRIOR FILING DATE: 2000-04-25 PRIOR PRIOR APPLICATION NUMBER: US09/653,450 FILING DATE: 2000-08-31 FILING DATE: APPLICATION NUMBER: US09/620,312 FILING DATE: APPLICATION NUMBER: US09/662,191 APPLICATION NUMBER: US09/598,042 FILING DATE: APPLICATION NUMBER: US09/693,036 784FLPCT Inc 2000-07-19 2000-06-20

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; NAME/KEY: misc_feature
; LOCATION: (1)...(346)
; OTHER INFORMATION: Xaa = any amino acid or nothing
US-09-488-725A-6792
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                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: pt_FL_genes_b Versions 1.0 SEQ ID NO 2957
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Best Local Similarity 27.4%;
Matches 26; Conservative 1
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SEQ ID NO 6792
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PRIOR FILING DATE: 2000-04-25
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PRIOR FILING DATE: 2000-01-21
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CURRENT FILING DATE: 2000-12-22
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                                                                                                                                                                                                                                                                                                        ORGANISM: Homo sapiens
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FILING DATE: 2000-06-20
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                                                        467 THGNLEEVAEKLKQNISLVQDQLAVSAQEHSFFLSKRNKDVDMLCD---TLYQGGNQLLL
                                                                                                                                  421 KQLEMLTDPSVSQQINPRNTIDTKDYSTHRLYQVLEGENKKKEL---
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       182 QILTOYTTFVKP--AFEEFCL---PTKKYADVIIPRGVDNMVAINLIVQHIQDILNGDIC 236
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; Pred. No. 17;
12; Mismatches
-RLFVDTDSDVRLSRRVLRDVRRGRDLEQILTQ-YTTFVK 192
                                                                                            -GKTVEVPTYDFVTHSRLPETTVVYPADVVLFEG--ILVF 143
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                     Search completed: December 12, 2003, 11:18:12
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US-09-488-725A-6529
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GENERAL INFORMATION
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PRIOR APPLICATION NUMBER: US/09/488,725
PRIOR FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: US09/598,042
PRIOR APPLICATION NUMBER: US09/598,042
PRIOR FILING DATE: 2000-06-20
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time : 8 secs
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FILING DATE: 2000-11-29
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                                                                                        538 SDQELTEQFHKVESQLNKLNHLLTDILADVKTKRKTLAN----NKLHQMEREFYVYFLK 592
                                                                                                                                      144 YSQEIRDMFHL----
                                                                                                                                                                                 481 THGNLEEVAEKLKQNISLVQDQLAVSAQEHSFFLSKRNKDVDMLCD---TLYQGGNQLLL
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22.3%; Pred. No. 36;
7ative 23; Mismatches
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-MODEL=frame+ n2p.model -DEV=xlh -Q=us-09-896-522-3 -DB=*8*pep -SUFFIX=pto
-MODEL=frame+ n2p.model -DEV=xlh -Q=us-09-896-522-3 -DB=*8*pep -SUFFIX=pto
-OUT=align3_pep -MINMATCH=0.1 -LOOPCL=0 -LOOPEXT=0 -UNITS=bits -START=1
-END=-1 -MATRIX=blosum62 -TRANS=human40.cdd -LIST=45 -DOCALIGN=200
-THR SCORE=pct -THR_MAX=100 -THR_MIN=0 -ALIGN=45 -MODE=LOCAL -OUTFMT=pto
-NORM=ext -HEAPSIZE=500 -MINLEN=6 -MAXLEN=2000000000 -NCPU=6 -ICPU=3 -NO_XLPXY
-NEG SCORES=0 -DSPBLOCK=100 -LONGLOG -DEV_TIMEOUT=120 -WARN_TIMEOUT=30
-THREADS=1 -XGAPOP=10 -XGAPEXT=0.1 -FGAPOP=6 -FGAPEXT=0.1 -YGAPOP=10
-YGAPEXT=0.1 -DELOP=6 -DELEXT=0.1
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Match
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1: /home/sdavid/sdavid-tmp/dectemp/swope522/US09488725A.pep:*

2: /home/sdavid/sdavid-tmp/dectemp/swope522/6579708.pep:*

3: /home/sdavid/sdavid-tmp/dectemp/swope522/PCTUS0005988.pep:*
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725	-725	-725	-725	-725	-725	-725	-725	-725	-725	-725	3598	-725	-725	-725	-725	-725	-725	-725	488-725A-3157	488-725A-234	-725A-	-725A-	-725A-	488-725A-189	-725	-725	-725
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ALIGNMENTS

n US/09488725A l Nucleic Acid and ER: US/09/488,725A 00-11-22 : US/09/488,725 01-21 : US09/552,317 04-25 06-20 06-20 08-31 : US09/620,312 07-19 : US09/623,450 08-31 : US09/662,191 09-14 09-14 09-14 09-14 09-14 09-14 09-14 09-14 09-14 09-14 09-14 09-14 09-14 09-14 09-14 10-12 09-14 09-14 09-14 10-12 09-14 09-14 10-12 10-12 10-12 10-12 10-14 10-12 10	Alignment Scores: Pred. No.: Score: Percent Similarity: Best Local Similarity: Query Match: DB:	0 Z · · · · D Z	APPLICATION FILING DATE: APPLICATION FILING DATE: APPLICATION FILING DATE: APPLICATION FILING DATE: APPLICATION FILING DATE: APPLICATION	RESULT 1 US-09-488-725A-2647 US-09-488-725A-2647 Sequence 2647, Application US/094 GENERAL INFORMATION: APPLICANT: Hyseq Inc ITITLE OF INVENTION: NOVel Nuclei FILE REFERENCE: 794FLPCT CURRENT FILING DATE: 2000-12-25 PRIOR APPLICATION NUMBER: US/09/ PRIOR FILING DATE: 2000-01-21 PRIOR FILING DATE: 2000-01-21 PRIOR APPLICATION NUMBER: US09/5 PRIOR APPLICATION NUMBER: US09/5 PRIOR APPLICATION NUMBER: US09/5
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FRIOR FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US/09/552,317
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                                                                                                                                              Sequence 6219, Application GENERAL INFORMATION: APPLICANT: Hyseq Inc TITLE OF INVENTION: NOVEL FILE REFERENCE: 784FLPCT
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PRIOR FILING DATE: 2000-07-19
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                 AACCTGATCGTGCAGCACATCCAGGACATTCTGAATGGTGACATCTGCAAATGGCACCGA
                                            GluGlnIleLeuThrGlnTyrThrThrPheValLysProAlaPheGluGluPheCysLeu
                                                                                                                                  GAGCAGATTCTGACGCAGTACACCACCTTCGTGAAGCCGGCCTTCGAGGAGTTCTGCCTG
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US-09-536-647-2
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Patent No. 6579708
GENERAL INFORMATION:
APPLICANT: Ho, Yen Sen
APPLICANT: Johnson, Randall
TITLE OF INVENTION: No. 6579708el Human Uridine
PILE REFERENCE: GP50020
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQ ID NO 2
LENGTH: 260
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CURRENT FILING DATE: 2000-03-27
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SOFTWARE: FastSEQ for Windows Version 3.0
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ORGANISM: Human
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                        LeuValPheTyrSerGlnGluIleArgAspMetPheHisLeuArgLeuPheValAspThr
                                                                           SerArgLeuProGluThrThrValValTyrProAlaAspValValLeuPheGluGlyIle
                                                                                                                             LeuLysAsnIleValGluGlyLysThrValGluValProThrTyrAspPheValThrHis
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Sequence 3, Application US/09536647

Patent No. 6579708

GENERAL INFORMATION:
APPLICANT: Ho, Yen Sen
APPLICANT: Johnson, Randall
ITITLE OF INVENTION: No. 6579708el Human Uridine Kinase
FILE REFERENCE: GP50020

CURRENT APPLICATION NUMBER: US/09/536,647

CURRENT FILING DATE: 2000-03-27

NUMBER OF SEQ ID NOS: 3

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO 3

LENGTH: 277

TYPE: PRT
ORGANISM: Human
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 TCAAGGTTACCAGAGACCACGGTGGTCTACCCTGCGGACGTGGTTCTGTTTGAGGGCATC
                             LeuLysAsnIleValGluGlyLysThrValGluValProThrTyrAspPheValThrHis
                                                                                                                        AAAGGACAGTACAATTTTGACCATCCAGATGCCTTTGATAATGATTTGATGCACAGGACT
                                                                                                                                                       IleLeuSerGlnAspCysPheTyrLysValLeuThrAlaGluGlnLysAlaLysAlaLeu
                                                                                                                                                                                        ATCCTGAGCCAGGACAGGTTCTACAAGGTCCTGACGGCAGAGCAGAAGGCCAAGGCCTTG
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                                               CTGAAGAACATCGTGGAGGGCAAAACGGTGGAGGTGCCGACCTATGATTTTTGTGACACACC 360
                                                                                         LysGlyGlnTyrAsnPheAspHisProAspAlaPheAspAsnAspLeuMetHisLysThr
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US-09-488-725A-1839
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CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: US/09/488,725
PRIOR FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US09/552,317
PRIOR APPLICATION NUMBER: US09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: US09/598,042
PRIOR APPLICATION NUMBER: US09/598,042
PRIOR APPLICATION NUMBER: US09/620,312
PRIOR APPLICATION NUMBER: US09/620,312
PRIOR APPLICATION NUMBER: US09/620,312
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PRIOR FILING DATE: 2000-08-31
PRIOR PELICATION NUMBER: US09/62,191
PRIOR APPLICATION NUMBER: US09/62,191
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: US09/693,036
PRIOR FILING DATE: 2000-10-19
PRIOR APPLICATION NUMBER: US09/727,344
PRIOR FILING DATE: 2000-11-29
PRIOR FILING DATE: 2000-11-29
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SEQ ID NO 1839
LENGTH: 262
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                                                                                                                                                                      TYPE: PRT
ORGANISM: Homo sapiens
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TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides
FILE REFERENCE: 784FLPCT
                                                                                                                        No.:
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957.80
70.00%
61.29%
61.58%
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Matches:
Conservative:
Mismatches:
Indels:
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Sequence 1160, Application PC/TUS0005988

GENERAL INFORMATION:
APPLICANT: Craig Rosen,
APPLICANT: Steve Ruben
TITLE OF INVENTION: Human Prostate Cancer Ass
FILE REFERENCE: PA10.1PCT
CURRENT APPLICATION NUMBER: PCT/US00/05988
CURRENT FILING DATE: 2000-03-08
EARLIER APPLICATION NUMBER: 60/124,270
EARLIER APPLICATION NUMBER: 60/124,270
EARLIER FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 1890
SOPTWARE: Patentin Ver. 2.0
SEQ ID NO 1160
LENGTH: 337
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Best Local Similarity:
Query Match:
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; LOCATION: (169)
; OTHER INFORMATION:
PCT-US00-05988-1160
                                                                                                                                                                                                                                                                                                                                                                                                             Alignment Scores:
Pred. No.:
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NAME/KEY: SITE
LOCATION: (46)
OTHER INFORMATION: 3
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ORGANISM: Homo sapic
PEATURE:
NAME KEY: SITE
LOCATION: (38)
OTHER INFORMATION: >
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OTHER INFORMATION:
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l. Oy 66	Qy 24cTGCGAGAGCCCCGGCCGGAGGC-	Oy 4 GCTTCGGCGGGAGGCGAAGA- ::: Db 4 AlaAlaAlaGlyArgArgL	us-09-896-522-3 (1-834) x US-09-488-	Alignment Scores: 1.13e-16 Pred. No.: 923.00 Score: 923.00 Percent Similarity: 59.52% Best Local Similarity: 52.91% Query Match: 1	Qy 709 AAATGGCACCGAGGAGGGTCCAATGGGCACGAGGGGGCCCCATGGGATGCTCCAATGGGCACGAGGGGGTCCAATGGGCACCGAGGGGGGTCCAATGGGCACCCCTGGGATGCTGACCTCTGGCACCCCTGGGATGCTGACCTCTGGCACCCCTGGGATGCTGACCTCTGGCACCCCTGGGATGCTGACCTCTGGCACCCCTGGGATGCTGACCTCTGGCACCCCTGGGATGCTGACCTCTGGCACTCTTGGCACCCCTGGGATGCTGACCTCTGGCACCCCTGGGATGCTGACCTCTGGCACTCTGGCACTCTGACACTCACACACA	589 271 649
	AGAGÓCCCGCGCCGAGGC 66 ArgAlaAlaArgArgArgThrArgProSerAlaProAlaAlaProSerVa 42	GGCGAAGA 23 ArgArgLysAlaLeuGlySerPheGlyLysProSerProValThrG 23	488-725A-5411 (1-335)	Length: 335 Matches: 200 Conservative: 25 Mismatches: 37 Indels: 118 Gaps: 6	LeuValAlaIleAsnLeuIleValGlnHisIleGlnAspIleLeuAsnGly	GAGTTCTGCCTGCCGACAAAGAAGTATGCCGATGTGATCATCCCACGAGGAGGAGTGGACAAT 648

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RESULT 8
US-09-488-725A-2188
; Sequence 2188, Application
; GENERAL INFORMATION:
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APPLICANT: Hyseq Inc
TITLE OF INVENTION: Novel Nucleic Acid and
FILE REFERENCE: 784FLPCT
CURRENT APPLICATION NUMBER: US/09/488,725A
CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: US/09/488,725
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       pTyrArgGlnLysGlnValValIleLeuSerGlnAspSerPheTyrArgValLeuThrSe
                                                                                                                                                       GGAGTCCAGCAGCAGACCCCAC
                                                                                                                                                                                                                                                                                                                                                                             TAATGATTTGATGCACAGGACTCTGAAGAACATCGTGGAGGGCAAAACGGTGGAGGTGCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              aSerGlyLysSerSerValCysAlaLysIleValGlnLeuLeuGlyGlnAsnGluValAs
                                                                                                                                                                                                                                                                                                                                                                                                                                     GACCTATGATTTTGTGACACACTCAAGGTTACCAGGGACCACGGTGGTCTACCCTGCGGA 398
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                                                                                                                                                                                                                                                                     eLeuAsnGly
                                                                                                                                                                                                                                                                                   TCTGAATGGTGACATCTGCAAATGGCACCGAGGAGGGTCCAATGGGCGGAGCTACAAGCG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          eGlnMetLysLeuPheValAspThrAspAlaAspThrArgLeuSerArgArgValLeuLy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ccaccrececrrrceregacacceacreceacercaeecrerereceaagaerrerece
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CGTGGTTCTGTTTGAGGGCATCTTGGTGTTCTACAGCCAGGAG---ATCCGGGACATGTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     oValTyrAspPheValSerHisSerArgLysGluGluThrValThrValTyrProAlaAs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 rGluGlnLysAlaLysAlaLeuLysGlyGlnPheAsnPheAspHisProAspAlaPheAs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         gThrGlySerGlyArgArgGlyGlyArgThrMetAlaGlyAspSerGluGlnThrLeuGl
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                                                        Polypeptides
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PRIOR APPLICATION NUMBER: US09/552,317
PRIOR APPLICATION NUMBER: US09/598,042
PRIOR APPLICATION NUMBER: US09/620,42
PRIOR FILING DATE: 2000-06-20
PRIOR FILING DATE: 2000-07-19
PRIOR APPLICATION NUMBER: US09/653,450
PRIOR APPLICATION NUMBER: US09/653,450
PRIOR PILING DATE: 2000-08-31
PRIOR PILING DATE: 2000-09-14
PRIOR PILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: US09/662,191
PRIOR APPLICATION NUMBER: US09/63,036
PRIOR APPLICATION NUMBER: US09/727,344
PRIOR APPLICATION NUMBER: US09/727,344
PRIOR PILING DATE: 2000-10-19
PRIOR APPLICATION NUMBER: US09/727,344
PRIOR PILING DATE: 2000-11-29
NUMBER OF SEQ ID NOS: 7144
SOFTWARE: pt FL genes b Versions 1.0
SEQ ID NO 2188
LENGTH: 4619
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ORGANISM: Homo
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               spProGlyTyrThrGlyAspAspCysGlyMetArgSerCysProArgGlyCysSerGlnA
                                                                                                  GCAGGCAGAACTCCTCGAAGGCCGGCTTCACGAAGGTGGTGTACTGCGTCAGAATCTGCT 542
                                                                                                                                                                                                                                         GlyProSerCysGlyTrpProSerCysProGlyAspCysGlnGlyArgGlyArgCysVal
                                                                                                                                                                                                                                                                                                                                                                                  CATTGGAC --
                                                                                                                                                                                                                                                                                                                                                                                                            Glu-----ProGlyTrpGly---Gly-----ProThrCysSerAsp--P
                                                                                                                                                                                                                                                                                                                                                                                                                                        CAGAGGTCAGCATCCCAGGGTGGTCCCCTGGCTCAGAAAAGGTCCGCCTTGTAGCTCCGCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LeuCysSerLeuHisGlyValPheAspLeuSerArgCysThr-----CysSer----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ThrGlyGlyCysCysProAlaSerAlaGlnAlaGlyThrGlyGlnThrAspValArgThr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AGTGGGGTCTGCTGC--
                                                                                                                                                         TGATGGCAACCATATTGTCCACTCCTCGTGGGATGATCACATCGGCATACTTCTTTGTCG
                                                                                                                                                                                    GlnGlyValCysValCysArgAlaGlyPheSerGlyProAspCysSerGlnArgSer---
                                                                                                                                                                                                                                                                                             spCysAsnAspGlnGlyArgCysValArgGlyArgCys-ValCysPheProGlyTyrThr
                                               CC----
                                                                                                                                                                                                                                                                                                                                                       roThrAspAlaGluIleProProSerSerProProSerAlaSerGlySerCysProAspA
                                                                         rGln----
                                                                                                                                                                                                                                                                        ---AGATGTCACCATTCAGAATGTCCTGGA-----
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                                                                                                                               -----Cys----ProArgGly-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     231
314.80
17.82%
15.86%
20.21%
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                                                                        -ArgGlyArgCys---GluGlyGly-ArgCysVal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative:
Mismatches:
Indels:
Gaps:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length:
Matches:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             -----TGGACTCCAAATGTGACCGTTTGC
                                              AGGTCCCTCCCTCGGCGCACGTCCCGGA 512
                                                                                                                                                                                                                                                                                                                               CGGTGCCATTTGC-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          4618
121
15
75
552
18
                                                                                                                                                                                                          -TGTGCTGCACGATCAGGT
                                                                                                                               -----CysSe
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253

286

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169 734

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157 794

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265 GATGGTCAAAATTGTACTGTCCTTTCAAGGCCT------ 233
||||::::::|| || || || || ||
456 SerGlyGluAspCysGlyValArgSerCysProGlyAspCysArgGlyArgGlyArgCys 475
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         382 ysGluAspGly-----GluCysIleCysAspThrGlyTyrSerGlyAspAspCysGlyV 400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    345 CysGlyGluGlyGlyArgCysValAspGlyArgCysValCysTrpProGlyTyrThrGly 364
118 ACACGGTCGA-----
                                                                                            161 ----------TGTTCCACCTCGTTCTGTCCCAGCAACTCCATGATCTTCTCAC 119
                                                                                                                                                        589 ysProAsnAspCysSerGlnHisGlyValCysGlnAspGlyValCysIleCysTrpGluG 609
                                                                                                                                                                                                                                                                            569 euAspGlyArgCysValCysGluAspGlyTyrSerGlyGluAspCysGlyValArgGlnC 589
                                                                                                                                                                                                                                                                                                                                                                                                                                                   535 GlyLeuCysGluAspGlyValCysValCysAspAlaGlyTyrSerGlyGluAspCysSer 554
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     203 ----- 203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        515 ProGlyPheThrGlyGluAspCysGlySerArgArgCysProGlyAspCysArgGlyHis 534
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      496 CysPro---GlyAspCysArgGlyArgGlyArgCysValAspGlyArgCysValCysAsn 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     220 CTGCCGTCAGGACCTTGT-------
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        476 GluSerGlyArgCysMetCysTrpProGlyTyrThrGlyArgAspCysGlyThrArgAla 495
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   439 ArgGlyArgGlyArgCysGluAsnGlyValCysValCysAsn-----AlaGly--Tyr 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         420 ysTrpProGlyTyrThrGlyThrAspCysGlySerArgAla----CysProArgAspCys 438
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  353 -----ACAAAATCATAGGTCGGCACCTCCACCGTTTTGCCCT----- 317
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          400 alArgSerCysProGlyAspCysAsnGlnArgGlyArgCysGluAspGlyArgCysValC 420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        379 TGGTCTCTGGTAACCTTGAGTGTGTC------354
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   306 lyVal-ArgSer---CysProArgGlyCysSerGlnArgGlyArgCysLysAspGlyArg 324
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lvSerProMetLeuProGlvAlaThrC 571	tSerGlyGlnValAlaGly	51 hrProProValGlyMe	Db 55	
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roGlyGlyGlyGlyThrAspGlyValAlaArgT 551	A uGlup	TTTGCAG :: euGluAl	Qy 711 Db 531	
CCCCTGGCTCAGAAAAGGTCCGCCTTGTAGCTCCGCCCATTGGACCCTCCTCGGTGCCA 712	AAGGTCCGCTTGTAGCTC	9	Qy 76 Db 51	
CTGCTGCTGGACTCCAAATGTGACCGTTTGCCAGAGGTCAGCATCCCAGGGTGGT 770	AAATGTGACCGTTTGCCAGAGGTC ::: :::::::: oGluLeuLeuValProGluLysAl	825 TCTGCTGCTGGACTCC	Qy 80 51	
1-1454)	09-488-725A-3367 (1-	522-3 (1-834) x US-(us-09-896-5	
1454 126 126: 33 28: 53 18	Length: Matches: Conservat Mismatche Indels: Gaps:	Scores: 88.3 291.40 291.40 16.608 Similarity: 13.158 h: 18.718	Alignment Sc Pred. No.: Score: Score: Percent Simi Best Local S Query Match: DB:	
		SM: Homo sapiens 725A-3367	; TYPE: PRT ; ORGANISM: H US-09-488-725A-	
	Versions 1.0	pt_FL_genes_b 3367 1455	222	
	US09/727,344 1-29 4	ING DATE: 2000-1: SEQ ID NOS: 714	BE SE	
	US09/693,036 0-19	NUMBER: 2000-1		
	0531 US09/662,191 9-14	NUMBER:	PRIOR AP	
	US09/653,450	ATION NUMBER:		
	05-20 US09/620,312 7-19	ATION NUMBER:		
	4-25 US09/598,042	ATION NUMBER:		
	US09/552,317	ATION NUMBER:		
	12-22 IS/09/488,725	NG DATE: 2000 ATION NUMBER:	la H	
1	/488,725A	REFERENCE: 784FLPCT	NT REF	
Polypeptides	Nucleic Acid and Po	Hyseq Inc NVENTION: Novel	; APPLICANT:	
	US/09488725A	725A-3367 3367, Application I	RESULT 9 US-09-488-7 ; Sequence	
1a 686	luAspCysGlyGlnGluGluProProAlaSerAla	75 luAspCysGlyGlnG	Db 6	
CC 3	TCGCAGTCTTCGCCTCCCGCCGAAGCC	29TCGCAGT	Qy	
 GlyArgCysValGlnGlyValCysLeuCysHisValGlyTyrGlyGlyG 675	gCysValGlnGlyValCy	57 lyargGlya	Db 6	
	CCGCTGGTGCGACGGCTCCGGCGCGCGGGGCTC	67 GCCGCTGGTGCGGAC	γQ.	
 CysArgG 657	 MetCysProAlaAspCysi	44 oThrCysAlaThrArgMetCys	Db 6	
сттерератов по в поставания в п	crrcccccrcacaer		Qy 1	
 sHisGlyArgGlyArgCysGluGluGlyArgCysLeuCysAspProGlyTyrThrGlyPr 644)CysGluGluGlyArgCys		Db 6	

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313			lySerSerIleSerSerTrpLeuSerGluValSerValCysThrAlaAspSerArgAspProThrProGlnProArgPheSerProAspSerLeuAlaGlyLeuAspProGlyGlyProP	593	687 GTCCTGGATGTGCTGCACGATCAGGTTGATGGCAACCATATTGTCCACTCCTCGTGGGAT 628
QY 4/ Db 1158 laAspSerAspSerGlyHisAspSerGl Qy 47 Db 1178 lyProAlaLeuProSerProTyrSerLy Qy 46 Db 1198 erSerGlyHisGlySerAspAsnSerSe Qy 33 GC Qy 33 GC Db 1218 lyArgThrAlaLeuPheHisHisSerGl Qy 32	1100 lyG 80 1120 laG 79 1140 isG	Qy 89	158 1005 laG 157 1025 luA 129 GAT	946 rgse 165 CCGG 965 laAl 158	Qy 245 Db 886 lyValThrThrProAlaValSerTrpGlyAspAlaProT Qy 244 Db 906 lySerLeuLysAlaSerProThrSerLysLysGlyLeuA Qy 240 CAAGGCCTTCGGCCTCTGCCGTCAGGACCTTGT-
spSerAspSerGlyHisAspSerGlyValAsnValGlyGluGluArgProProThrG 1178	lyProValAlaGlyProArgAlaAlaProArgAlaGlyProSerValGlyAlaLysA 1120	lyAlaProLysProProValGlyGlyGlyLysGlyArgGlyLeuValAlaGlyGlyS 1080	lyHisAlaSerLeuGluArgTyrGluGlyLeuAlaHisSerSerSrLysGlyArgG 1025CCACCTCGTTCTGTCCCAGCAACTCCAT 130 ::: laProGlyArgProProArgAlaValProLysLeuGlyValProProSerSerPro- 1044 CTTCTCACACACGGTCGACTTCCCGGCTGGCAGTGCCGC		1yvalThrThrProAlaValSerTrpGlyAspAlaProThrGluValValAlaCysSerG 906

CURRENT FILING DATE: 2000-12-22		
; TITLE OF INVENTION: NOVEL NUCLEIC ACID and FOLYPEDILDES ; FILE REFERENCE: 784FLPCI : CHRENT APPLICATION NIMBER: 18/09/488, 725A	Db 335 laTyrAlaCysArgThrGlyTrpGlyTyrAlaPro-SerArg***LeuGl 351	
GENERAL INFORMATION: APPLICANT: Hyseq Inc.	rProAlaValPro***ProCysSer****GlyGlyAlaGlyArgArgA	
US-09-488-725A-2369 ; Sequence 2369, Application US/09488725A	727 ACCCTCCTCGGTGCCATTTGCAGATGTCACCATTCAGAATGT	
RESULT 11	Db 299 yArg***ArgGly***SerSerArgArgArgArgGlyPro***AlaAlaGlyArgSerTh 319	
.	Qy 759AGAAAAGGTCCGCTTGTAGCTCCGCCCATTGG 728	
14 CCCGCCGAAGCCA	Db 279 rGln***TrpAlaValAlaArgSerProSerArgCysSerArgTrp***ArgGlnSerGl 299	
Db 582 rGlvGlvAlaSerGlvSerProAlaAlaSerCvsSerC	QY 772 GGTCCCCTGGCTC 760 .	
572	::: 264 AlaGly***CysSerTrpGlnProAlaAlaCysCysThrProArgSe	
Qy 134 TCCATGATCTTCTCACACACGGTCGACTTCCCGCTGGCAGTGGCGGC	832 AGTGGGGTCTGCTGCTGGACTCCAAATGTGAC	
Db 553 SerArgAlaAlaProProValSerArgCysArg-ProProProProP	us-09-896-522-3 (1-834) x US-09-488-725A-5708 (1-626)	
	18.03% Indels: 1 Gaps:	
Db 535 ThrGlyThrArgArgProTrpAlaGlyProGlyThrArgC	t Similarity: 23.64% ocal Similarity: 20.08%	
Qy 250 ACTGTCCTTTCAAGGCCTTGGCCTTCTGCCGTCAGGACCTTC	: 26.8 Length: 280.90 Matches:	
Db 524AsnSerGlnArgThrSerSerAspHis***Tyr	Alignment Source.	
Qy 310 TGTTCTTCAGAGTCCTGTGCATCAAATCATTATCAAAGGCATCTGG	OTHER INFORMATIO	
Db 516 lyHisLeuLeuValGly-Gly***	misc	
Qy 370 GTAACCTTGAGTGTGTCACAAAATCATAGGTCGGCACCTCCACCGT	RT HOMO	
Db 497 GlySerTyr***SerHisAsnAspAsnTrpGlyThrTrpProAlaP	5708	
Qy 388AGAC	R OF SEQ ID NO	
Db 478 HisThrLeuLysAlaAlaArgSerArgLeuSerProArgProG	APPLICATION N	
QY 412		
Db 458 GlyIleProLeuSerGlyAlaSerProGlyGlySerGlyGluThrG		
Qy 413	APPLICATION : FILING DATE:	
Db 444 GlySerArgCysValCysThrCysThrGlyLeuPro	APPLICATION N	
Qy 454ACATGTCCCGGATCTCCTGGCTGTAGAA	APPLICATION N	
Db 429 rGlnProArgAlaProSerAlaHisGlyA	APPLICATION N	
CGTCG	88	
Db 410 GlyProŚerHisProŚly-SerProŚerAlaHisCysLeuSerTrp	; CURRENT APPLICATION NUMBER: US/09/488,725A ; CURRENT FILING DATE: 2000-12-22	
Qy 547TCTGCTCCAGGTCCCTCCGTCGGCGCACGTCCCGGAGAAC"	; TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides ; FILE REFERENCE: 784FLPCT	
erArgS	INFORMATION:	
592	US-09-488-725A-5708 ; Sequence 5708, Application US/09488725A	
Db 371 a*****SerArgLeuCysGlyThrAlaGlyThrGlyProLeu	RESULT 10	
Qy 621ATCGGCATACTTCTT	1258 laSerProGlyAlaArgThrArgSerLeuLysSerProLysLys	
Db 351 uProSerGlyProThrSerGlySerAlaLeu***ThrTrpAlaSer	QY 31TCTCGCAGTCTTCGCCTCCCGGAAG 5	
636	Db 1238 spSerGluAlaThrGlySerAlaSerSerAlaProAspSerMetSerGluSerGlyAlaA 1258	
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PRIOR APPLICATION NUMBER: US09/727,344
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OR FILING DATE: 2000-06-20
OR APPLICATION NUMBER: US09/620,312
OR FILING DATE: 2000-07-19
OR APPLICATION NUMBER: US09/653,450
OR FILING DATE: 2000-08-31
OR APPLICATION NUMBER: US09/662,191
OR APPLICATION NUMBER: US09/693,036
OR APPLICATION NUMBER: US09/693,036
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FILING DATE: 2000-01-21
APPLICATION NUMBER: US09/552,317
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                                                              ProProThrIleThrAsnGlyAspPheIleSerThrAsnArgGluAsnPheHisTyrGly
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                                                                            IleGlyThrSerLeuLysTyrGluCysArgProGluTyrTyrGlyArgProPheSerIle
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	spPheMetGlyGlnLeuLeuAsnGlyArgValLeuPheProValAsnLeuGlnLeuGl
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	4ATGGTCAAAATTGTACTGTCC 24
	699 GluAsnGlyIleLeuValSerAspAsnArgSerLeuPheSerLeuAsnGluValValGlu 718
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	 679 IleTrpSerGlyProAlaProGlnCysIleIleProAsnLysCysThrProProAsnVal 698
	270 ATCTGG 265
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	619 IleProCysGlyLeuProProThrIleAlaAsnGlyAspPheIleSerThrAsnArgGlu 638
	319 CCTCCA 314
	340 320 340 320
	579 lySerArgIleAsnTyrSerCysThrThr-GlyHisArgLeuIleGlyHisSerSerAla 598
-	368 AACCTTGAGTGTGTCACAAAAATCATAGG 341
	560 LysThrProProAspProValAsnGlyMetValHisValIleThrAspIleGlnValG 579
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TGCTGCTGGACT 812	
725A-5941 (1-2044)	Db 27 CysCysGlyGlySerLeuI
Tideis: Gaps: 725A-5941 (1-2044)	Qy 823 TGCTGC
•	us-09-896-522-3 (1-834) x US-09-4
Length: 2044 Matches: 126 Conservative: 29 Mismatches: 69	Alignment Scores: Pred. No.: Score: Recent Similarity: Best Local Similarity: 11.04% Query Match: DB: 17.98%
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ons 1.0	NUMBER OF SEQ ID NOS: 7144 SEQ ID NO 5941 SEQ ID NO 5941 IENCTH: 2045
9/727,344	APPLICATION N
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9/662,191	APPLICATION N
9/653,450	APPLICATION N
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9/598,042 ·	APPLICATION NUMBER: U
9/552,317	PRIOR APPLICATION NUMBER: US09,
09/488,725	APPLICATION NUMBER: US/
9/488,725A	FERENCE: 784FLPCT APPLICATION NUMBER:
Nucleic Acid and Polypeptides	GENERAL INFORMATION: APPLICANT: Hyeeq Inc TITLE OF INVENTION: Novel Nuclei
	725A-5941
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erProAlaProArgCysGlyIleLeuGlyHisCysGlnAlaProAspHisPheLeuP 956	Db 936 erSerProAlaProArgC
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erThrIleArgCysThrSerAspProGlnGlyAsnGlyValTrpS 936	Db 916 spLeuIleGlyGluSerT
29	Qy 29
roPheGlyLysAlaValAsnTyrThrCysAspProHisProAspArgGlyThrSerPheA 916	Db 896 roPheGlyLysAlaValA

325 lnGluValPheTyrSerCysGluProGlyTyrAspLeuArgGlyAlaAlaSerMet 343 487 CGGAGTCGGTGTCCACGAAGAGGCGCAGGTGGAACATGTCCCGGATCTCCTGGCTGTAGA 428	248 ValGluAsnGlyIleLeuValSerAspAsnArgSerLeuPheSerLeuAsnGluValVal 267 595	685	134 TyrSerCysThrLysGlyTyrArgLeuIleGlySerSerSerAlaThrCysIleIleSer 153 686 686 154 GlyAspThrVallleTrpAspAsnGluThrProIleCysAspArgIleProCysGlyLeu 173 686 686 174 ProProThrIleThrAsnGlyAspPheIleSerThrAsnArgGluAsnPheHisTyrGly 193	ProPheAlaArgProThrAsnLeuThrAspGluPheGluPheProIleGlyThrTyrLe -ProPheAlaArgProThrAsnLeuThrAspGluPheGluPheProIleGlyThrTyrLe -CCCTCCTCGGTGCCATTTGC	751 TCCGCTTGTAGCTCCG 727
Db 679 IleTrpSerGlyProAlaProGInCyBileLetProABBILyBCyBillFriorDablack 576 Qy 265	319 619 IlePro 313 639 AsnPhe 295 659 ValPhe 270 ATCTGG	Db 540 ThrCysLeuAspAsnLeuValTrpSerSerProLysAspValCysLysArgLysSerCys 559 Qy 382	480 GlnGly 415 500 AlaPro 406 520 IleGly	428 428 428 428 440 428 427	

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US-09-488-725A-2519
PRIOR APPLICATION NUMBER: US/09/488,725
PRIOR FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: US09/598,042
PRIOR FILING DATE: 2000-06-20
PRIOR APPLICATION NUMBER: US09/620,312
PRIOR PILING DATE: 2000-07-19
PRIOR APPLICATION NUMBER: US09/653,450
PRIOR APPLICATION NUMBER: US09/653,450
                                                                                                                                                                                                                    Sequence 2519, Application US/09488725A
GENERAL INFORMATION:
APPLICANT: Hyseq Inc
TITLE OF INVENTION: Novel Nucleic Acid and
FILE REFERENCE: 784FLPCT
                                                                                                                                                                             CURRENT APPLICATION NUMBER: US/09/488,725A
CURRENT FILING DATE: 2000-12-22
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SOPTWARE: pt_FL_genes_b Versions 1.0
SEQ ID NO 2519
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PRIOR APPLICATION NUMBER: US99/662,191
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: US09/693,036
PRIOR APPLICATION NUMBER: US09/693,036
PRIOR FILING DATE: 2000-10-19
PRIOR APPLICATION NUMBER: US09/727,344
PRIOR FILING DATE: 2000-11-29
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TYPE: PRT
ORGANISM: Homo sapiens
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SULT 14 -09-488-725A-6091 -09-488-725A-6091 Sequence 6091, Application US/09488725A Sequence Acounty in the sequence of the se	Db 824 ValSerAlaSerHisGlyProArgLysProSerAlaSerGlnArgProThrArgGlnThr 843 Oy 175 CCTTCCGCTGCCGCTGTTCCACCTCGTTCTGTCCAGCAACTCCATGATCTTCTCACACA 116	211 GGACCTTGT	Db 716 ProPheSerHisHisValSerLysGluLysMetProValCysSerTyrPheLeuLysGlY 735 Qy 304TCAGAGTCC 296 Qy 304TCAGAGTCC 296 E	676 TyrAsnArgPheGlyArgCysAsnArgGlyGluArgCysProTyrlleHisAspProGlu 317		Db 596 TrpArgSerLy8GlyTyrArgCy8IleGlyGlyValLeuTyrLy8ValSerAlaAsnLy8 615 Qy 323 323 Db 616 LeuSerLy8ThrSerGlyGlnProSerAspAlaGlySerArgProLeuLeuArgThrGly 635 Qy 323 323

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Best Local Similarity:
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US-09-488-725A-6091
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PRIOR APPLICATION NUMBER: US09/598,042
PRIOR FILING DATE: 2000-06-20
PRIOR PILING DATE: 2000-07-19
PRIOR PILING DATE: 2000-07-19
PRIOR PILING DATE: 2000-07-19
PRIOR PILING DATE: 2000-08-31
PRIOR PILING DATE: 2000-08-31
PRIOR APPLICATION NUMBER: US09/662,191
PRIOR PILING DATE: 2000-09-14
PRIOR PILING DATE: 2000-10-19
PRIOR APPLICATION NUMBER: US09/693,036
PRIOR PILING DATE: 2000-10-19
PRIOR APPLICATION NUMBER: US09/727,344
PRIOR APPLICATION NUMBER: US09/727,344
PRIOR PILING DATE: 2000-11-9
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SOFTWARE: pt FL genes b Versions 1.0
SEQ ID NO 6091
LENGTH: 955
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APPLICATION NUMBER: US09/552,317
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            186 ArgGlyThrCysSerValGluAspProLeuLeuValCysGlnLysGluProGlyLysPro
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RESULT 15
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CURRENT FILING DATE: 2000-12-2

PRIOR APPLICATION NUMBER: US/09/488,725

PRIOR FILING DATE: 2000-01-21

PRIOR APPLICATION NUMBER: US/09/552,317

PRIOR FILING DATE: 2000-04-25

PRIOR APPLICATION NUMBER: US/09/598,042

PRIOR PILING DATE: 2000-06-20

PRIOR FILING DATE: 2000-06-20

PRIOR PILING DATE: 2000-07-19

PRIOR APPLICATION NUMBER: US/09/620,312

PRIOR APPLICATION NUMBER: US/09/653,450

PRIOR PILING DATE: 2000-08-31

PRIOR PILING DATE: 2000-09-14

PRIOR PILING DATE: 2000-09-14

PRIOR PILING DATE: 2000-09-14

PRIOR PILING DATE: 2000-09-14

PRIOR APPLICATION NUMBER: US/09/62,191

PRIOR APPLICATION NUMBER: US/09/63,036

PRIOR APPLICATION NUMBER: US/09/727,344

PRIOR APPLICATION NUMBER: US/09/727,344

PRIOR FILING DATE: 2000-11-29

PRIOR FILING DATE: 2000-11-29

PRIOR FILING DATE: 2000-11-29

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PRIOR FILING DATE: 2000-11-29

PRIOR FILING DATE: 2000-11-29

PRIOR FILING DATE: 2000-11-29

PRIOR FILING DATE: 2000-11-29

NUMBER OF SEQ ID NOS: 7144

SOPTWARE: pt FL_genes_b Versions 1.0

SEQ ID NO 6797

LENGTH: 472
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Best Local Similarity:
Query Match:
DB:
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, NAME/KEY: misc feature
; LOCATION: (1)...(469)
; OTHER INFORMATION: Xaa =
US-09-488-725A-6797
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GENERAL INFORMATION:
APPLICANT: Hyseq Inc
TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides
FILE REFERENCE: 784FLPCT
CURRENT APPLICATION NUMBER: US/09/488,725A
CURRENT FILING DATE: 2000-12-22
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RESULT 16
US-09-488-725A-5699
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                                                                                                                    44 recegeegegetere, e-----cagtetreecerecee, easier
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   aTrpCysGlySerSerProSerSerThrPheThrProSerSerAlaSerSerSerThrTr 399
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TCCCGGA-----
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                                                                   -AlaAlaPheSerAlaAlaAlaGluGlyThrPro--ArgArgSer 465
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                                                                                                                                                                     ProPro----ProAlaSerSer---AlaAlaGlyAla---AlaArgPr
                                                                                                                                                                                                                                                                                                                     ----CysCysLysThrSerLeuTrpGlySerCy 225
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PRIOR APPLICATION NUMBER: US09/598,042
PRIOR PELLING DATE: 2000-06-20
PRIOR PELLING DATE: 2000-07-19
PRIOR APPLICATION NUMBER: US09/620,312
PRIOR FILLING DATE: 2000-07-19
PRIOR APPLICATION NUMBER: US09/653,450
PRIOR PELLING DATE: 2000-08-31
PRIOR PELLING DATE: 2000-09-14
PRIOR FILING DATE: 2000-09-14
PRIOR FILING DATE: 2000-10-19
PRIOR APPLICATION NUMBER: US09/693,036
PRIOR FILING DATE: 2000-10-19
PRIOR APPLICATION NUMBER: US09/727,344
PRIOR FILING DATE: 2000-11-29
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Query Match:
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GENERAL INFORMATION:
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ORGANISM: Homo sapiens
NAME/KEY: misc_feature
LOCATION: (1)...(483)
OTHER INFORMATION: Xaa = a
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TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides
FILE REFERENCE: 784FLPCT
CURRENT APPLICATION NUMBER: US/09/488,725A
CURRENT FILING DATE: 2000-12-22
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PRIOR FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US09/552,317
PRIOR FILING DATE: 2000-04-25
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                                                                 241 ProThrAlaGluHisGlyHisCysGluLeuThrThrGluSerGlnTyrSerAsnAsnVal 260
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Matches:
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RESULT 17
US-09-488-725A-5715
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GENERAL INFORMATION:
APPLICANT: Hyseq Inc
TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides
FILE REFERENCE: 784FLPCT
CURRENT APPLICATION NUMBER: US/09/488,725A
CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: US/09/488,725
PRIOR FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US/09/552,317
PRIOR APPLICATION NUMBER: US/09/598,042
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|LeuArgSerArgArgThrGluProAlaGlyTrpValProProThrArgHis-----Glu
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PRIOR FILING DATE: 2000-11-29
NUMBER OF SEQ ID NOS: 7144
SOFTWARE: pt_FL_genes_b Versions 1.0
SEQ ID NO 5715
LENGTH: 627
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ORGANISM: Homo sapiens
NAME/KEY: misc_feature
LOCATION: (1)...(616)
OTHER INFORMATION: Xaa = a
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OR FILING DATE: 2000-07-19
OR APPLICATION NUMBER: US09/653,450
OR FILING DATE: 2000-08-31
OR APPLICATION NUMBER: US09/662,191
OR RFILING DATE: 2000-09-14
OR APPLICATION NUMBER: US09/693,036
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214	223GCTCTGCCGT	
613	595ArgProProSerGerGlyAlaGlyProGlySerArgArgLysProAlaSerProG	
224		
594	577 lyAlaLysProSerProGlnProAlaThrTrpValGluGlyAlaSerSerPro	
241	268	
577	$557\ ly {\tt ProGlyProProProGluProProProProSerGlnArgGlySerAlaProGlnSerGluProProProProProProProGluProProProProProProProProProProProProProP$	
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517	 497 lyLysAspCysProPheCysGlyLysSerPheArgSerAlaHisHisLeuLysValHisL	
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497	477 lnGluGluAsnGlyLeuLeuValGlyGlyThrArgProGluGlyGlyArgGlyAlaThrG	
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477	457 lyGluGlyProGlyHisSerAlaSerAlaAlaGlyAlaGlnAlaArgSerThrAlaThrG	
329	329	
457	437 luGluThrTrpAlaArgGlyArgSerLeuGlySerLeuAlaSerLeuHisProArgProG	
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437	417 rgAlaArgHisArgAlaGluGluProGluGluGluGluGluValValGluAlaGlnG	
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417	397 luProGlyProGlyArgSerPheGlyGlyPheArgProLeuSerSerAlaLeuProAlaA	
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397	377 erLeuLeuGlyTyrLeuSerLeuArgAlaGlyGluGlyArgProAsnGlyGluGlyAlaG	
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332	::: isAlaSerLysLeu-GlyProLeuArg	
553	-GCTTCACGAAGGTGGTGTACTGCGT	
313	293 etArgLysHisLysAlaSerPheAspHisAlaCysProValCysGlyArgCysPheLysG	
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293	273 luPheArgCysGlnValCysGlyGlnSerPheThrGlnSerTrpPheLeuLysGlyHisM	
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                                       260 roCysAlaSerGlnGlyGlyProArgProThrGlyAlaGlyArgThrProSerProLeuG
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                                                                                                                                                                                                                                                                                                                                                                      190 AlaLeuValSerGly***GluAlaSerProGluAlaValSerValAlaAlaGlyProPro
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          153 ProProGlnAspSerSerGlnProHisLysThrValProSer---ProAlaArgSerVal 171
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        274 AGGCATCTGGATGGTCAAAATTGTACTGTCCTTTCAAGGCCTTGGCCTTCTGCT-----
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           535 CCCTCCCTCGGCGCACGTCCCGGAGAACTCTTCGAGACAGCCTGACGTCGGAGTCGGTGT 476
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                                                                                                                     rgArgAspHisGlyArgSerAlaAlaPheGluValLeuThrAlaAlaAlaSerAlaGlnP
                                                                                                                                                                                                                                                TCACCCCTATCAGGAAGGGCCGCTGGTGC------
                                                                                                                                                                                                      rHisSer----ArgArgGly------Cys***SerProArg***ThrProAlaProProA 240
                                                                                                                                                                                                                                                                                       ValProGly---Pro-----ThrProSerThrSer----GlySerThrAlaSe
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pro----GluAlaAlaLeuSerAlaAlaAlaProArgPro------SerLeu----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CCTCCACCGTTTTGCCCTCCACGATGTTCTTCAGAGTCCTGTGCATCAAATCATTATCAA 275
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  laLeuPro-CysGlyLysPro-----GlnProLysHisGlyVal-----
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GCCATTTGCAGATGTCACCATTCAGAATGTCCTGGATGTGCTGCACGATCAGGTTGATGG 656
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    sProGlnLeuThrSer-ArgProHisLeuSerSerProArgSerLeuSerPro----Gly 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AGAACTCCTCGAAGGCCGGCTTCACGAAGGTGGTGTACTGCGTCAGAATCTGCTCCAGGT 536
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               -Gly-----SerGlyGlnAsnAlaSer------GlyLeu--ProAlaAlaSerLeu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Cys-----ServalProGly--AlaGluTrpProArgLysProProAlaGlnIleCy 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TGCCAGAGGTCAGCATCCCAGGGTGGTCCCCTGGCTCAGAAAAGGTCCG-----
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                                                                                                                                                                   GGACGGTCGGCC-----
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                                                                              -----TCCGGCGCGGGGCTCTCGCAGTCT
TCGCCTCCCGCC 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LeuHisGluGly-----ProSerArgThrAla----A
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ----CTGCCGTCAGGACCTTGTAGAACCTGT 194
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ----TIGGACCCTCCTCGGT 716
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; TYPE: PRT
; ORGANISM: Homo sapiens
; NAME/KEY: misc_feature
; LOCATION: (1)...(566)
; OTHER INFORMATION: Xaa =
US-09-488-725A-6951
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CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: US/09/488,725
PRIOR FILING DATE: 2000-01-21
PRIOR PPLICATION NUMBER: US/09/552,317
PRIOR PPLICATION NUMBER: US/09/552,317
PRIOR PPLICATION NUMBER: US/09/52,317
PRIOR PPLICATION NUMBER: US/09/598,042
PRIOR PILING DATE: 2000-06-20
PRIOR PPLICATION NUMBER: US/09/620,312
PRIOR APPLICATION NUMBER: US/09/620,312
PRIOR PILING DATE: 2000-07-19
PRIOR PRIOR APPLICATION NUMBER: US/09/653,450
PRIOR PILING DATE: 2000-09-14
PRIOR PILING DATE: 2000-09-14
PRIOR PILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: US/09/63,036
PRIOR APPLICATION NUMBER: US/09/63,036
PRIOR APPLICATION NUMBER: US/09/63,036
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US-09-488-725A-6951
; Sequence 6951, Application
; GENERAL INFORMATION:
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SOFTWARE: pt FL genes b Versions 1.0
SEQ ID NO 6951
LENGTH: 573
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PRIOR APPLICATION NUMBER: US09/727,344
PRIOR FILING DATE: 2000-11-29
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TITLE OF INVENTION: Novel Nucleic Acid and
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ThrargargProProArgProProGlySerSerArgLy8GlyAlaGlyAsnSerSerArg
                                    ---GGCAGAACTCCTCGAAGGCCGGCTTCACGAAGGTGGTGTACTGCGTCAGAATCTGCT 542
                                                                                                                                                       hrSerSerLysProGluGly-----ArgProArgGlyGlnAlaAlaProThrIle 147
                                                                                                                                                                                                                                                                                                                                                  GCTCAGAAAAGGTCCGCTTGTAGCTCCGCCCATT-----GGACCCTCCTCGGTGCCATT
                                                                                                                                                                                           TATTGTCCACTCCTCGTGGGATGATCACATCGGCATACTTCTTTGTCGGCA-----
                                                                                                                                                                                                                                  -----ProAlaProAlaAla-----MetAlaThrT
                                                                                                                                                                                                                                                                       TGCAGATGTCACCATTCAGAATGTCCTGGATGTGCTGCACGATCAGGTTGATGGCAACCA
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rLeuArgGln***Pro
                                                                         \texttt{LeuLeuThrLysProProGlyAlaThrSerArgProThrThrAlaProProArgThrThr}
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Matches:
Conservative:
                                                                                                                                                                                                                                                                                                              -ProProlleLeuLysAlaProSerSerThrGly--
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Indels:
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129	179ACCACCTTCCGCTGCCGCTGTTCCACCTCGTTCTGTCCCAGCAACTCCATG
518	9 GluGlu
180	180
498	6
180	229 CCTTCTGCCTCTGCCGTCAGGACCTTGTAGAACCTGTCCTGGCTCAGGATG
480	AlaArgTrpIleSerProGly*
230	232TGG
460	${f roGlySerLeuGlyGlnGlnGlyThrSerProMetTrpProAr}$
233	
441	nProGlnAlaIleSer
239	-
427	407 ysGluGluThrValAlaProSerPro***ProThrGlyCysProValLeuSerProGlnT
264	264
407	isProSerArgValSerGlu
264	264
387	eProGlnG
264	264
367	LeuSerThrSerSerGlyValPheThrA
264	295 TGTGCATCAAATCATTATCAAAGGCATCTGGA
351	333 GlyTrpProGlnPro******LeuLeuAlaTyrCysTyrProCysThrSerArg-Pr
296	325GTTTTGCCCTCCACGATGTTCTTCAGAGTCC
332	**Pro
326	373 CTGGTAACCTTGAGTGTGTCACAAAATCATAGGTCGGCACCTCCACCG
315	eTh
374	391
296	LysProGlyLeuArgArgAlaAlaGlnGlyGlyG
392	392
276	AsnThrSerTrpAlaProTh
392	394 CAG
256	
395	439CCTGGCTGTAGAACACCAAGATGCCCTCAAACAGAACCACGTCCG
236	217 ArgProLeuGlyLysIlePheGlnIleTyrLysGlyAsnPheThrGlySerValGluPro
440	440
216	lnLy
440	Н
199	::: Pro-ValProProAlaProGly-GlyHisSerArgSer
482	541 CCAGGTCCCTCCGCCGCACGTCCCGGAGAACTCTTCGAGACAGCCTGACGTCGGAGT

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FILLE CREATENCE: 784FLPCT
FILE REFERENCE: 784FLPCT
CURRENT APPLICATION NUMBER: US/09/488,725A
CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: US/09/488,725
PRIOR APPLICATION NUMBER: US/09/592,317
PRIOR FILING DATE: 2000-01-21
PRIOR FILING DATE: 2000-06-20
PRIOR FILING DATE: 2000-06-20
PRIOR APPLICATION NUMBER: US09/620,312
PRIOR FILING DATE: 2000-08-19
PRIOR APPLICATION NUMBER: US09/653,450
PRIOR FILING DATE: 2000-08-14
PRIOR FILING DATE: 2000-09-14
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: US09/693,036
PRIOR APPLICATION NUMBER: US09/693,036
PRIOR APPLICATION NUMBER: US09/727,344
PRIOR APPLICATION NUMBER: US09/727,344
PRIOR FILING DATE: 2000-10-19
PRIOR FILING DATE: 2000-11-29
NUMBER OF SEQ ID NOS: 7144
SOFTWARE: pt Ft_genes_b Versions 1.0
SEQ ID NO 1897
LENGTH: 826
TYPE: PRT
ORGANISM: Homo sapiens
US-09-488-725A-1897
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J Sequence 1897, Application US/09488725A

GENERAL INFORMATION:

APPLICANT Hyseq Inc

APPLICANT HYSER INC

Novel Nucleic Acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides
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329 LysGluMetProPheGlnGlySerGlyLysSerAlaTrp-----CysProValGluIle 346
                                      989
                                                                       310
                                                                                                                                                                                                                    273
                                                                                                                                                                                                                                                       781
                                                                                                                                                                                                                                                                                    546 --GlnLeu--SerGluProArgSerProAlaAsnGly 556
                                                                                                         716 TGCCATTTGCAGATGTCACCATTCAGAATG-------
                                                                                                                                             292
                                                                                                                                                                                                                                                                                                                           833 CAGTGGGGTCTGCTGGACTCCAAATGTGACCGTTTGCCAGAGGTCAGCA------
                                                                                                                                                                                                            gLeuValAlaIleIleGlnAspAlaGlnGlySer-GlnTrp--GluLysArgSerAr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GGCCGCTGGTGCGGACGGTCGGCCTCCGGCGCGCGGGGC 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ATCTTCTCACACACGGTCGACTTCCCGCTGGCAGTGCCGCCCCCCCTCATCCAGGAAG
                                                                                                                                            gGlyGlnGluProAlaLysCys----Pro--HisTrpLysAsnCysLeuThrLysLeu-L
                                                                       euPro--CysPheLeuGluHisAsn--MetLysArgAspGluAspProHisLysAlaAla 328
                                                                                                                                                                                                                                                                                                                                                                                                            90.6
270.50
21.57%
16.25%
17.37%
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                                                                                                                                                                                 -GCTTGTAGCTCCGCCCATTGG------
                                                                                                                                                                                                                                                   --- TCCCAGGGTGGTCCCCTGGCTCAGAAAAGGTCC--
                                                                                                                                                                                                                                                                                                                                                                                           Length:
Matches:
Conservative:
Mismatches:
Indels:
Gaps:
                                      -TCCTGGATGTGCTGCACGATCAGGTTG 660
                                                                                                                                                                                                                                                                                                                                                                                               925
110
36
68
464
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	AACTCC 132 ::: gSerPr 665	TTCCGCTGCCGCTGTTCCA	173 646
	ACCACC 174 	TIGGCCTTCTGCCGTCAGGACCTTGTAGAACCTGTCCTGGCTCAGGATGACCACC	233 637
	0 1		617
	NalSer 616		597 251
	252		252
		::: GluPheValHisAlaValGluGlnGlyGlyThrGlnAlaSerAlaValValGl	577
	252		257
	NIGGICA 258	TCCACGATGTTCTTCAGAGTCCTGTGCATCAAATCATTATCAAAGGCATCTGGATGGTCA HisGlyAlaAlaAlaAlaProValSerAlaProThrSerGlyTyrGln	317 561
	ເກ		549
	TTGCCC 318	GTCTCTGGTAACCTTGAGTGTG	377
	•	uMetProCysValProGlnLeuSerGluProThrThrVa	529
	ACCGTG 378		398
	NACCACG 399 uProGl 529	TIGAACATGTCCCGGATCTCCTGGCTGTAGAACACCAAGATGCCCTCAAACAGAACCACG 	512
	511		9
,	CGCAGG 459	GAGAACTCTTCGAGACAGCCTGACGTCGG	513
	YrArgs 499) roAspAsnLeuThrCysThrGluThrProLeuValIleAlaGlyAsnProAlaTyrArgS	479
	514		514
	lnSerP 479	$ au$ rp ${ t GlyLysGluGlnProLeuHisLeuGluProSerProProAlaSerProThrGlnSerP}$	459
	514		514
		::: hrSerAlaHisMetProTrpAspGluPheProSerAlaGlyProLysGluAlaProProT	439
	514		528
•	erGlySerT 439	Classic Construction	421
	1 A		ר ש מין
		2GGCCGGCTTCACGAAGGTG	582
	rgGluG 401		381
	583		583
	luGluL 381	 ValGluLeuPheGluAlaPro	362
	583	AGGCAGAACTCCTCGAA	599
	GECGGC 600	9 ATGGCAACCATATTGTCCACTCCTCGTGGGATGATCACATCGGCATACTTCTTTGTCGGC ::: :::::: 7 SerLysThrValLeuTrpProGluSerIleSerValValArgCys	659 347
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358	338 rIleProMetValGlyLysLysProProGluGlyThrThrAlaSerPhePheProArgSe :
23	23
338	53 CGGTCGCCTCCGCGCGCGGGCTCTCGCAGT
318	$ \mid \mid \mid $
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77	TCCATGATCTTCTCACACACGGTCGACCTTCCCCGCTGGCAGTGCCGCCGCTCACCCCTA
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279	rAlaAlaProGlyGlnLysArgGlyHisArgGluAla***GlnGlyProGluProV
215	GCTTGGCTTCTGCTCTGCCG
237	6 CTGTGCATCAAATCATTATCAAAGGCATCTGGATGGTCAAAATTGTACTGTCCTTTCAAG
297 228	
330 215	8
372	386 ACCACCGTGGTCTCT3 ::: 183 AsnThrMetValSerArgGlyGlyGlyCysLeuLeuTyrProLeuGlnSerIleMetPro 2
387	TAG
443 168	
483 153	TCGGAG LysGlu
543 135	AATCTGC Ala
603 124	662 TTGATGGCAACCATATTGTCCACTCCTCGTGGGATGATCACATCGGCATACTTCTTTGTC 6
663 112	719 CGGTGCCATTTGCAGATGTCACCATTCAGAATGTCCTGGATGTGCTGCACGATCAGG 6 ::::::::
720	755 AA

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Qy	Db	Q	Db Oy	B &	망	Q b Q	us-09-896-	Alignment Sc Pred. No.: Score: Percent Simi Best Local S Query Match: DB:	Db 358 Qy 22 Db 378 RESULT 23 US-09-488-725, Sequence 57; GENERAL INF APPLICANT: TITLE OF ILE REFER CURRENT PH PRIOR APPL PRIOR	δ
643 CCACTCCTCGTGGGATGATCACATCGGCATACTTCTTTGTCGGCAGGCAGAACT 590		TCCT	757 AAAAGGTCCGCTTGTAGCTCCGCCCATTGGACCCTCCTCGGTGCCATTTGCAGATGTCAC 698	795GCCAGAGGTCAGCATCCCAG	GlyGlyGlyArgAlaLeuSerAlaGluSerGluValGluGlu	### ##################################	-522-3 (1-834) x US-09-488-725A-5717 (1-481)	ment Scores: 29 Length: 481 No.: 270.00 Matches: 109 nt Similarity: 22.92% Conservative: 23 Local Similarity: 18.92% Mismatches: 75 Local Similarity: 17.33% Indels: 370 Match: 1 Gaps: 14	22	23 23

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RESULT 24
US-09-488-725A-5469
 Sequence 5469, Application US/09488725A
GENERAL INFORMATION:
APPLICANT: Hyseq Inc
APPLICANT: Hyseq Inc
TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides
FILE REFERENCE: 784FLPCT
                                                                                                                                                                                                                                                                                                      411
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                                                                                                                                               442 AlaCysGlyAsn-----LeuAlaAsnLeuLysArgHis
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                                                                                                                                                                                                                          rGlyGlu-----LysProTyr---LysCysProLeu-Cys---
                                                                                                                                                                                                                                                                                                                                       LeuLeuProAspLeuSerLeu------His-----ValProProGlyGlyAlaSer
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    TCCCTCCCTCGGCGCACACGTCCCGGAGACTCTTCGAGACA

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Best Local Similarity:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION NUMBER: US09/727,344
PRIOR FILING DATE: 2000-11-29
NUMBER OF SEQ ID NOS: 7144
SOFTWARE: pt FL_genes_b Versions 1.0
SEQ ID NO 5469
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION NUMBER: US/09/488,725A CURRENT FILING DATE: 2000-12-22 PRIOR APPLICATION NUMBER: US/09/488,725 PRIOR FILING DATE: 2000-01-21 PRIOR APPLICATION NUMBER: US09/552,317 PRIOR APPLICATION NUMBER: US09/598,042 PRIOR APPLICATION NUMBER: US09/598,042
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR FILING DATE: 2000-06-20
PRIOR APPLICATION NUMBER: US09/620,312
PRIOR FILING DATE: 2000-07-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US09/653,450
FILING DATE: 2000-08-31
APPLICATION NUMBER: US09/662,191
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US09/693,036 FILING DATE: 2000-10-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: 2000-09-14
 563
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                                                                                                                                                                                                                                                                                                                                   LysGluMetProPheGlnGlySerGlyLysSerAlaTrp-----CysProValGluIle
                                                                                                                                                                                                                                                                                                                                                                                                                                                 TGCCATTTGCAGATGTCACCATTCAGAATG------
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      gGlyGlnGluProAlaLysCys----Pro--HisTrpLysAsnCysLeuThrLysLeu-L
 GTGTACTGCGTCAGAAT--
                                  lyIleValAlaArgLeuThrGluSerLeuPheLeuAspLeuLeuGlyGluGluAsnGlyG
                                                                                                            ysGlySerPheCysAlaSerProGluSerSerArgAspAspPheGlnGluGlyArgGluG 415
                                                                                                                                                                                                                                                           SerLysThrValLeu-----TrpProGluSerIleSerValValArgCys----
                                                                                                                                                                                                                                                                                                ATGGCAACCATATTGTCCACTCCTCGTGGGATGATCACATCGGCATACTTCTTTGTCGGC
                                                                                                                                                                                                                                                                                                                                                                         euPro--CysPheLeuGluHisAsn--MetLysArgAspGluAspProHisLysAlaAla
                                                                                                                                                                                  --ValGluLeuPheGluAlaProValGluCysGluGluGluGluGluValGluGluGluL
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                                                                         ----GGCCGGCTTCACGAA-----
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Matches:
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Indels:
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739	719 pSerLeuGlySerGlyIleValTyrSerAlaLeuThrCysHisLeuCysGlyHisLeuLy	
104	104	
719	104	
104	ATGATCTTCTCACACACGGTCGACTTCC	
132 679	173 TTCCGCTGCCGCTGTTCCACCTCGTTCTGTCCCAGCAACTCC:	·
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650	251	
630	11 ProProGlyGluAlaGlyTyrLysAlaPheSerSerLeuLeuAlaSerSerAlaValSer	
252	252	
610	25/ AAA116- ::: 591 GluPheValHisAlaValGluGlnGlyGlyThrGlnAlaSerAlaValValGlyLeuGly (
590	75HisGlyAlaAlaAlaAlaProValSerAlaProThrSerGlyTyrGln	٠
258	317 TCCACGATGTTCTTCAGAGTCCTGTGCATCAAATCATTATCAAAGGCATCTGGATGGTCA :::	
574	377 GTCTCTGTAACCTTGAGTGTGTCACAAAATCATAGGTCGCCACCGTCTATGCCC : ::: ::: :::	
562	uMetProCysValProGlnLeuSerGluProThrThrValProGlnProGluProGlu	
378	398 TCCGCAGGGTAGACCACCGTG	
399 543	458 TGGAACATGTCCCCGGATCTCCTGGCTGTAGAACACCAAGATGCCCTCAAACAGAACCACG :	
528	513GRANG ICTIONAM CHARACTERIOR CONTROL C	
513	roAspAsnLeuThrCysThrGluThrProLeuValIleAlaGlyAsnProAlaTyrArgS	
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493	473 rpGlyLysGluGlnProLeuHisLeuGluProSerProProAlaSerProThrGlnSerP 4	
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B 8	D Q	B 8	g gy	Qy	us-09-896	Alignment Sopred. No.: Score: Score: Percent Sim. Best Local of Ouery Match DB:	SULT 2 -09-48 GENERA APPLI TITLE FILE FILE FILE FILOR PRIOR	를 <i>정</i>	Db
120 TGAGAAGATCATGGAGTTGCTGGGACAGAACGAGCTGGAACAGCGGCAGCGGCAAGGTGGT ::: ::: 260 aHisArgHisGlyHisAlaGlyAlaHisGlnGlyGlyAlaGlnAlaAla		60 CCAGC 226 AlaThrProArgArgValGlyAl	GCCGGAGGCCGA GlyArgGlyGlyArgArgAsp	9 GGCGGGAGGCGAAGACTGCGAGAGCCCCGC)6-522-3 (1-834) x US-09-488-	tt Scores: 53.1 53.1 53.1 53.1 53.1 53.1 54.1 54.1 54.1 55.1 65.8 6	35 798 1725A	3B roSerProGlvGlvValProL	759 yCysCysCysGiyAspArg/
CATGGAGTTGCTGGGACAGAACGAGCTGGAACAGCGGC 	aArgArgAlaGluLeuArg	GCGGCCTTCCTGATAGGG AlaAlaAlaPro	GGCCGACCGTCGCG	CTGCGAGAGCCCCGC- CysLeuArgGluProGluG	-725A-2346 (1-565)	Length: Matches: Conservative: Mismatches: Indels: Gaps:	Y	CTGGTGCGG euGluAlaSerLeu-CysPi	AlaserProProInfinfProLeukig
CAGCGCAGCGGAAGGTGGT 179	GTGTG 11 avalvalA1 26	GCGGCCTTCCTGATAGGGTGAGCGGCGGCACTGCCAG 101 	ש ת כ	Nυ		565 110 24 73 372		Crogargagakagaragacaracagagaga 36 	roLeuArgAlaProAspP //8

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522 etGlyArgArgLysLysAsnSerProProLeuSerSerIleSerLeuProProSerValL
                                                                                                                                                                                                                                                                                                                                         502 hrArgGluGlnThrLeuValValCysValCysValPheLeuCysTrpPhePheLysGluM 522
                                                                                                                                                                                                                                                                                                                                                                                                                                      482 hePhePheLeuTrpLysArgGluGluGlnSerValArgPheCysProIleTyrValSerT 502
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                                                                                                                                                 euSer-ThrGlyProPro-----SerLeuPheCysSerValLeuPheCysPhe-Al
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GATCCGGGACATGTTCCACCTGCGCCTCTTCGTGGACACCGACTCCGACGTCAGGCTGTC 500
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; Sequence 3157, Application US/09488725A; GENERAL INFORMATION:
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Best Local Similarity:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; ORGANISM: Homo sapiens
US-09-488-725A-3157
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PRIOR FILING DATE: 2000-04-25
PRIOR PELICATION NUMBER: US09/598,042
PRIOR PELICATION NUMBER: US09/620,312
PRIOR APPLICATION NUMBER: US09/620,312
PRIOR PILING DATE: 2000-07-19
PRIOR APPLICATION NUMBER: US09/653,450
PRIOR APPLICATION NUMBER: US09/653,450
PRIOR FILING DATE: 2000-08-31
PRIOR PILING DATE: 2000-08-31
PRIOR APPLICATION NUMBER: US09/652,191
PRIOR APPLICATION NUMBER: US09/653,036
PRIOR APPLICATION NUMBER: US09/693,036
PRIOR PILING DATE: 2000-10-19
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SOFTWARE: pt FL genes b Versions 1.0
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LENGTH: 1079
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TITLE OF INVENTION: Novel Nucleic Acid and
FILE REFERENCE: 784FLPCT
CURRENT APPLICATION NUMBER: US/09/488,725A
CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: US/09/488,725
PRIOR FILING DATE: 2000-01-21
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                                               241 AAAGGACAGTACAATTTTGACCATCCAGATGCCTTTGATAATGATTTGATGCACAGGACT 300
                                                                                             145 lyProGlnGlyProProGlySerGluGlyPheThrGlyProProGlyProGlnGly-Pro
                                                                                                                                                                                               126
165 LysGlyGlnLysGly-----GluProTyrAlaLeuProLys------GluGluA 179
                                                                                                                                                                                                                                            202 TACAAGGTCCTGACGGCAGA---
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Matches:
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RESULT 26

aThrSerProHis 562 CAGCAGAÇÇÇÇAÇ 831 ঠ

729 CAATGGGCGGAGCTACAAGCGGACCT---

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516	96 roGlyLeuProGlyProLysGlyPheAlaGlyIleAsnGlyGluProGlyArgLysGlyA	4 4
496	rpLysGlyAspAlaGlyGluCysArgCy	476
623	00GCCGACAAAGAAGTATGCCGATGT	60
476	56 ysGlyArgAlaGlyPheProGlyLeuProGlySerProGlyAlaProGlyProLysGlyT	4 5
599	9	59
599 456	80 GCCTTCGAGGAGTTCTGCCT	4 5 8
438		419
579	7CTTGGAGCAGATTCTGACGCAGTACACCACCTTCGTGAAGCCG	53
419	9 rgArgGlyLeuProGlyGluMetGlyProLysGlyPheIleGlyAspProGlyIleProA	39
536	36	53
399	9 luProGlyAspProGlyLeuProGlyProProGlyLeuSerIleGlyAspGlyAspGlnA	37
536	36	53
379	ysGlyAlaArgGlyAspProGlyPheProGlyAlaGlnGlyGluProGlySerGlnGlyG	359
536)6	536
359	39 luAlaGlyAspProGlyProProGlyLeuProAlaTyrSerProHisProSerLeuAlaL	33
536	36	53
339	1ys	32
536	119CGTGCGCCGAGGGAGAGA-	7.
518 320	68CTTCGTGGACACCGACTCCGACGTCAGGCTGTCTCGAAGAGTTCTCCGGGA	302
302	82 lyGluProGlyIleArgGlyIleSerLeuLysGlyGluGluGlyIleMetGlyPheProG	28
467	7	467
282	12 leAlaProThrGlyValThrPheHisProAspGlnTyrLysGlyGluLysGlySerGluG	262
467	7	467
262	2 ysGlyAspValGlyGlnProGlyProAsnGlyIleProSerAspThrLeuHisProIleI	242
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242	roGlyProLysGlyGlnGlnGlyAsnArgGlyLeuGlyPheTyrGlyValLysGlyGluL	222
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192	CILGHAGHACHICGIGGHAGGGCAHARICGIGGHAGHAGACHC ::: :: ::: rgAspArgTyrArgGlyGluProGlyGluProGlyLeuVal	179
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72			61 CAGCGGCCCTTC	. 15
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	-725A-3367 (1-1454)	4) x US-09-488-	96-522-3 (1-834)	us-09-89
1454 118 32 32 92 92 673 17	Length: 1 Matches: 1 Conservative: 3 Mismatches: 9 Indels: 6 Gaps: 1	389 265.60 16.41% : 12.91% 17.08%	nt Scores: o.: Similarity: cal Similarity: atch:	Alignment Pred. No.: Score: Percent Si Best Local Query Matc DB:
	1.0	TE: 2000-11-29 NOS: 7144 genes_b Versions sapiens	FILING DATE: FILING DATE: R OF SEQ ID N R OF	PRIOR APE PRIOR FILE SOFTWARE: SEQ ID NO LENGTH: TYPE: PR GRGANISM US-09-488-72
	3,03	9-14 US09/6 0-19	FILING DATE APPLICATION FILING DATE	; PRIOR ; PRIOR ; PRIOR
	53,450 52,191	NUMBER: US09/65 : 2000-08-31 NUMBER: US09/66	APPLICATION FILING DATE: APPLICATION	PRIOR PRIOR PRIOR
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	98,042	NUMBER: US09/55 : 2000-04-25 NUMBER: US09/59	APPLICATION FILING DATE APPLICATION	; PRIOR ; PRIOR ; PRIOR
	88,7	S/09/	R APPLICATION NUMBER: R FILING DATE: 2000-0	PRIOR
ides	Acid and Polypept /488,725A	ON: Novel Nucleic 784FLPCT TON NUMBER: US/09	NVENTI ENCE: PLICAT	; TITLE ; FILE ; CURRE
	₽	ion US/094	ULT 27 09-488-725A-3367 equence 3367, Applicat ENERAL INFORMATION: APPLICANT: Hyseq Inc	RESULT 27 US-09-488- ; Sequence ; GENERAL ; APPLICA
CAGCAGCAGACCCCA 830 ThrPro 615	\AACGGTCACATTTGGAGTC Gly-ThrLy8Gly	CTGGGATGCTGACCTCTGGCAAACGG ::: roGlyIleProGl	775 CCTGGGATGC ::: 606 ProGlylle-	g Q
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680	TCGTGCAGCACAT	AATATGGTTGCCATCAACCTGATCGTGCAGCACAT	646 AATATGG	8

339 353 359 353 680 rSerIleSerSerTrpLeuSerGluValSerValCysThrAlaAspSerArgAspProTh 700	::: 660 rGlnAlaProGluGlyGlyProLeuGluGlyAlaAlaTrpAlaGlySerSerHisGlySe 680	TGAAGAACATCGTGGAGGGCAAAACGGTGGAGGTGCC	285	${\tt aGlyArgProThrSerLeuAlaSerPheAspSerAspCysSerLeuArgAlaLeuAlaSe}$	284 284	yGluAspGluLeuValPheThrValValGluGluLeuSerLeuGlyAlaLeuAlaGlyAl		229 GCCAAGGCCTTGAAAGGACAGTACAATTTTGACCATCCAGATGCCTTTGATAATGA 284	lySerProMetLeuProGlyAlaThrCysProArgLeuAlaAlaGlySerArgCysProG	AGAGCAGAAG		GGTCCTGACGGC	erProAlaProProProGlnLeuLeuGluAlaCvsArgAlaProGluGluProGlvG		182 rpProfilienteivalProfilitysalaalavalsevolygivarrargrofenbros 522	Transport of the formation of the format	484 OGINIPRO(ValvaālaTleValTrr		יים אליין היינים למבל מיים למיים למיים אליים מיים למבל מיים אליים מיים למבל מיים את מיים למבל מיים את מיים אלי	444 dAIGGLYGIYAIGLYBETGSETETGETGGIUALBALBSETETGATGLYBALBVBLGIYIN 464	24.00011001103100100000000000000000000000	AsnGluGiyProSerGiyGiyProGlyGiyThrAspGlyAlaGlnAlaSerProAl	79 109	406 AspHisPheArgCysSerThrPheAlaGluLeuGlnGluArgLeuGluCysMetAspGly 425	78 78	::: PheValProIleIleProAlaLeuSerArgHisArgProSerLysGlyProArgAspAla	CTGATA	366 GlvProGlvGlvAlaAlaLeuSerAspArgGluLeuThrAspAspGluGlvProProAsp 385	ייה היא לעים ליי היש לא זיה ביס ביס בים בותה דווח בור לא אף לדווד אם דוד בול זיח די	
uAlaProGlyArgProProArgAlaValProLysLeuGlyValProProSerSerProTh	Db 1005 aGlyHisAlaSerLeuGluArgTyrGluGlyLeuAlaHisSerSerEysGlyArgGl 1025	Qy 629 629	985 oArgAlaThrSerSerLeuLysAlaArgAlaSerLysValGluAlaAlaHisArgLeuAl	629	Qy 624 629	Db 946 ArgSerSerPro-AlaSerAlaProProHisAlaValAsnProAlaArgValGlyAlaAl 965	QY 608 AGAAGTATGCCGATGT 623	Db 932AlaproProAlaPro-ProThrArgLysSerSerLeuGluGln 945	912 oThrSerLysLysGlyLeuAlaProLysAlaGlyPheLeuProArgProSerGlyAla	Qy 540GGAGCAGA 547	Db 892 lSerTrpGlyAspAlaProThrGluValValAlaCysSerGlySerLeuLysAlaSerPr 912	Qy 539 539	Db 872 lAlaArgIleProProLeuArgArgGlyAlaThrThrLeuGlyValThrThrProAlaVa 892	Qy 539 539	Db 852 aGlnArgValValAspGlyCysGluValAlaAlaArgAlaAlaArgArgProGluAlaVa 872	Qy 539 539	Db 832 aProSerProThrLeuGlySerProArgLeuProGluAlaGlnValMetLeuAlaCysAl 852	Qy 539 539	Db 812 uAspProTrpLeuLeuArgValGlyGluCysAspThrGlnAlaAlaSerAlaGlyArgAl 832	Qy 539 539	Db 792 rThrArgValGlyCysAlaArgLeuGlyGlnSerProProGlyArgGlyGlyLeuPheGl 812	539	aSerAlaAlaGlnThrIleHisSerSerLeuDroArgLvsProArgThrAlaSerAlaTh	753	491 TCAGGCTGTCTCGAAGAGTTCTCCGGGACGTGCGCCGAGGGAGG	738	QY 437 AGGAGATCCGGGACATGTTCCACCTGCGCCTCTTCGTGGACACCCGACTCCGACG 490	Db 719 oAlaLeuAspGlySerLeuGlyAspGlySerSerGlyPheLeuGlyProAspArgPr 738	Qy 392 CTGCGGACGTGGTTCTGTTTGAGGGCATCTTGGTGTTCTACAGCC 436	Db 700 rProGinProArgPheSerProAspSerLeuAlaGlyLeuAspProGlyGlyProPr 719

1068 roProAlaThrProProHisGlnLeuTrpLysProLeuAlaAlaValSerLeuLeuAlaL 1088	Db	702 GTCACCATTC	Ş
212	Q		Ď
1048 luLysArgProLeuAspArgLeuGlnAlaProGluLeuAlaAsnValAlaGlyLeuThrP 1068	Db	CTCAGAAAAGGTCCGCTGTAGCTCCGCCCATTGGACCCTCCGTGCCATTTGCAGAT	\$ \f
212	Q	Alaclyclyheuclymecrrorioserheurro	מט
::: 1029 roAlaProAlaAspSerLeuAlaValGlyAsnSerGlyGlyValAspIleProGlnG 1048	מם	GCTGCTGGACTCCAAATGTGACCGTTTGCCAGAGGTCAGCATCCCAGGGTGGTCCCCTGG	ş Ş
225 CTGCTCTGCCGTCA 212	9	896-522-3 (1-834) x US-09-488-725A-2418 (1-1502)	us-09-89
	מם	1 Gaps:	DB:
252 GTACTGTCCTTTCAAGGCCTTGGCCTT	Q	ty: 15.81% Mismatches: 17.04% Indels:	Best Loc
312 GATGTTCTTCAGAGTCCTGTGCATCAAATCATTATCAAAGGCATCTGGATGGTCAAAATT 253	ъ Q).: 418 Length: 1502 Similarity: 265.40 Matches: 108 Similarity: 19.91% Conservative: 28	Pred. No.: Score: Percent Si
974 HisProAlaArgLeuArgLysLeuSerPheLeuProThrProArgThrGinGlySerGiu 993	ďα		Alignment
315 CAC	Q	ORGANISM: Homo sapiens 09-488-725A-2418	; ORGA US-09-48
955 laThrLysAlaValProThrProArgGlnSerThrValProLysLeuProAlaVal	da	21	LENGTH:
369 TAACCTTGAGTGTGACAAAATCATAGGTGGGCACCTCCACCGTTTTGCCCTC 316	δ	L_genes_	SEC ID NO
936 luArgLeuLysProGluThrGlnGluThrArgProArgGluLysProProLeuProA	рь	PRIOR FILING DATE: 2000-11-29	PRIOR
400	Qy	FILING DATE: 2000-10-19 APPLICATION NUMBER: US09/727.344	PRIOR
916 lnMetLysAlaLeuAlaCysValSerAlaGluGlyValThrValGluGluProAlaSerG 936	рЬ	FILING DATE: 2000-09-14 APPLICATION NUMBER: US09/693.036	PRIOR
	Ş	ILING DATE: 2000-08-31 PPLICATION NUMBER: US09/662.191	PRIOR
896 ysProValProAlaSerProHisProLysHisLysValSerAlaLeuValGlnSerProG 916	дb	FILING DATE: 2000-07-19 APPLICATION NUMBER: US09/653.450	; PRIOR
401	. Q	ILING DATE: 2000-06-20 DELICATION NUMBER: US09/620 312	; PRIOR
	Db	APPLICATION NUMBER: US09/552,317 FILING DATE: 2000-04-25 ADDITCATION NUMBER: US09/500 042	; PRIOR ; PRIOR
444 GATCTCCTGGCTGTAGAACACCAAGATGCCCTCAAACAGAACCA	Q	S/09/488 21	; PRIOR
uAsnV	Db	APPLICATION NUMBER: US/09/48 FILING DATE: 2000-12-22	
459 GTGGAACATGTCCC	Q.	OF INVENTION: Novel Nucleic Acid and Polypeptides	; TITLE
510 AACTCTTCGAGACAGCCTGACGTCGGAGTCGGTGTCCACGAAGAGGCGCAG :::	g Q	e 2418, Application US/09488725A INFORMATION: ANT: Hyseq Inc	; Sequence 2418 ; GENERAL INFOR ; APPLICANT: H
832TrpSerThrValProProProProLeuProProAla	₽b .		RESULT 2
570 GAAGGTGGTGTACTGCGTCAGAATCTGCTCCAGGTCCCTCCC	Q	112 AlaGlyProSer 1115	망
823Alaprophe	מם	821 GCAGACCCCACT 832	S
630 GATGATCACATCGGCATACTTCTTTGTCGGCAGGCAGAACTCCTCGAAGGCCGGCTTCAC 571	Q Y	::: ::	Db
803 roProProAlaProValSerProTyrSerSerThrCysThrTyrGlyProLeu-GlyTrp 822	Db	SCAAACGGTCACATTTGGA	Ş
651 CATATTGTCCACTCCTCGTGG 631	Q	1074 lyLeuValAlaGlyGlySerArgAlaLeuGlyProSerValLysLeuSerThrAlaSerV 1094	Вb
784 lSerGlyThrProGlyAlaTyrAlaValProProThrCysSerValProTrpAlaP	מם	748CGGACCTTTTCTG 760	γQ
674GCACGATCAGGTTGATGGCAAC	δ		망
764 rProHisValSerProSerGlyTyrProCysLeuProProProProThrValProLeuVa 784	Db	695 ATGGTGACATCTGCAAATGGCACCGAGGAGGGTCCAATGGGCGGAGCTACAAG 747	Ş
675	γ	.045 r lisGlyProAlaProAlaCysArgSerGly 1055	В
744 tGlyProValLeuProAspProPheThrHisTyrAlaProLeuProSerTrpProCysTy 764	ממ	635 GAGGAGTGGACAATATGGTTGCCATCAACCTGATCGTGCAGCACATCCAGGACATTCTGA 694	Ş

0	; TYPE: PRT; ORGANISM: Homo sapiens US-09-488-725A-5990 Alignment Scores:		APPLICATION N FILING DATE: R OF SEO ID NC	PRIOR APPLICATION NUMBER: US09/662,191 PRIOR APPLICATION NUMBER: US09/693,036 PRIOR APPLICATION NUMBER: US09/693,036		; PRIOR APPLICATION NUMBER: US09/552,317 ; PRIOR FILING DATE: 2000-04-25 ; PRIOR APPLICATION NUMBER: US09/598,042	- 2	FERENCE: 784FLPCT APPLICATION NUMBER: US/09/488,725A	TCE 5990, AF TAL INFORMATI ICANT: HYBEG S OF INVENTI	725A-5990	Qy 30 CTCGCAGTCTTCGCCTCCCGCCGAAGCCA 2 :::	Db 1204 erAlaProCysLeuAlaProSerSerLeuLeuSerProGluAlaSerProCysArgAsnA 1224		Qy 88CGCTCACCCCTATCAGGAAGGGCCGCTGGTGCGGACGGTCGGCCT- 44	Db 1164 isGlnAspIleThrIleLysProValLeuSerLeuGlyProAlaAlaProProProProC 1184	89	ACTCCATGATCTTCTCACACACGGTCGACTTCCCGGCTGGCAGTGCCGC 89		Db 1108 luAlaLysHisProAlaAlaValArgLeuGlnGluGlyValHisĠlyProSerArgValH 1128 Qy 195 GTCCTGGCTCAGGATGACCACCTTCCGCTGCCGCTGCTGCTCCACCTCGTTCTG 145	211	Qy 212 212 Db 1088 ysAlaLysSerProLysSerThrAlaGlnGluGlyThrLeuLysProGluGlyValThrG 1108
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1133 aThrProProHisGlnLeuTrpLysProLeuAlaAlaValSerLeuLeuAlaLysAlaLy 1153	gProLeuAspArgLeuGlnAlaProGluLeuAlaAsnValAlaGlyLeuThrProProAl	610TCTTTGTCGGCAGGCAGAACTCCTCGAAGGC580	1075 SerLeuLeuGluGlnPheGluLysSerGluAlaLysLysGluCysProProProAlaPro 1094	SerGluAspValValGlnAlaPheIleSerGluIleGlyIleGluAlaSerAspLeuSer	647	laValProThrProArgGlnSerThrValProLysLeuProAlaValHisProAlaArgL	1001 euLysbroGluThrGlnGluThrArgbroArgGluLysbroProLeuProAlaThrLysA 1021	648 648	682GGATGTGCTGCACGATCAGGTTGATGGCAACCATA	963 AlaSerProHisProLysHigLysValSerAlaLeuValGlnSerProGlnMetLysAla 982	943 LeuProGlyHisGlyAlaProGlnThrGluProThrLysValGluValLysProValPro 962	683	oProGluAsnValLeuPro-LeuSerMetAlaProProLeuSerLeuGly	906 aSerIleGlyArgAlaValProGlnProLysMetGluSerArgGlyThrProAlaGlyPr 926	721 CTCGGTG 715	757 AAAAGGTCCGCTTGTAGCT	rCysThrTyrGlyProLeuGlyTrpGlyPro	Stary to tay at a to a to that Cy o	796776776	 	6-522-3 (1-834) x US-09-488-725A-5990 (1-1565) 832 AGTGGGGTCTGCTGCTGGACTCCAAATGTGACCCGTT

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US-09-488-725A-2346
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Sequence 2346, Application US/09488725A
GENERAL INFORMATION:
APPLICANT: Hyseq Inc
TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides
FILE REFERENCE: 784FLPCT
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PRIOR APPLICATION NUMBER: US09/598,042
PRIOR FILING DATE: 2000-06-20
PRIOR FILING DATE: 2000-06-20
PRIOR APPLICATION NUMBER: US09/620,312
PRIOR FILING DATE: 2000-07-19
PRIOR APPLICATION NUMBER: US09/653,450
PRIOR APPLICATION NUMBER: US09/652,191
PRIOR APPLICATION NUMBER: US09/662,191
PRIOR FILING DATE: 2000-09-14
PRIOR FILING DATE: 2000-09-14
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PRIOR FILING DATE: 2000-11-29
NUMBER OF SEQ ID NOS: 7144
SOFTWARE: pt_FL_genes_b Versions 1.0
SEQ ID NO 2346
LENGTH: 566
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ORGANISM: Homo sapiens
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    LeuGlnValProGlnAlaGlnAlaGlyAlaHisLeuAlaProGlyArgGluSer

                                                                                    CCGGAGAACTCTTCGAGACAGCCTGACGTCGGAGTCGGTGTCCACGAAGAG----
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TITLE OF INVENTION: Novel Nucleic Acid and
FILE REFERENCE: 784FLPCT
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IOR APPLICATION NUMBER: US/09/488,725
COR FILING DATE: 2000-01-21
COR APPLICATION NUMBER: US09/552,317
COR FILING DATE: 2000-04-25
COR FILING DATE: 2000-06-20
COR FILING DATE: 2000-06-20
COR FILING DATE: 2000-06-20
COR APPLICATION NUMBER: US09/620,312
COR APPLICATION NUMBER: US09/653,450
COR APPLICATION NUMBER: US09/653,450
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PRIOR APPLICATION NUMBER: US09/662,191
PRIOR APPLICATION NUMBER: US09/693,036
PRIOR APPLICATION NUMBER: US09/693,036
PRIOR FILING DATE: 2000-10-19
PRIOR APPLICATION NUMBER: US09/727,344
PRIOR FILING DATE: 2000-11-29
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NUMBER OF SEQ ID NOS: 7144
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                -AsnProThrSerGlyPro---ProSerGlnIleGlyGluGlyAlaGluGlnGlyAspGl
                                                                   TACTGTCCTTTCAAGGCCTTGGCCTTCTGCCTCTGCCGTCAGGA-----
                                                                                                                                                                               ATGITCTTCAGAGICCTGIGCATCAAATCATTATCAAAGGCATCTGGATGGICAAAATIG
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Qy 63 GCGGCCCTT71	Db 671 GlyTyrGlyGlyGluAspCysGlyGlnGluGluProPro 683	-09-896-522-3 (1-834) x US-09-488-725A-2188 (1-4618)	Query Match: 16.87% Indels: 536 DB: 1 Gaps: 15	19.36% Conservative: 16.02% Mismatches:	ent Scores: 740 Length:	; ORGANISM: Homo sapiens US-09-488-725A-2188	; SEQ 11 NO 2100 ; LENGTH: 4619 : TYPE: PRT	TWARE: pt_FL_gen	APPLICATION I	; PRIOR APPLICATION NUMBER: US09/693,036 ; PRIOR PILING DATE: 2000-10-19	FILING DATE: 2000-08-31 APPLICATION NUMBER: US09/662,	FILING DATE: 2000-07-19 APPLICATION NUMBER: US09/653,	; PRIOR FILING DATE: 0000-06-20 ; PRIOR FILING DATE: 0000-06-20 ; PRIOR PAPPLICATION NUMBER: US09/620.312	APPLICATION NUMBER: US09/552, FILING DATE: 2000-04-25	APPLICATION NUMBER: US/09/488 FILING DATE: 2000-01-21	ENT APPLICATION NUMBER: US/09/48	; AFFLICANI: HYSEY INC ; TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides ; FILE REFERRNCE: 784FLPCT	; Sequence 2188, Application US/09488725A ; GENERAL INFORMATION:	725A-2188	Db 277 erLeuAlaProProPhePro 283	QY 24 GTCTTCGCCTCCCGGCGAAGCCA 2	Db 258 laLysGlySerProArgArgLeuAlaAspProGlnAspLeuProAlaGlyGlnMetS 277	QY 57 CGGACGGTCGGCCT	Db 238 roGluThrGlnAlaAspGlnValArgGluArgProGluAlaHisLeuAlaGluGlyGlyA 258	Qy 61	Db 221GluAlaGlyGluGluAspAlaValProAlaGluGluGlyProGlyGlyThrP 238	QY 113 GTCGACTTCCCGCTGGCAGTGCCGCCGCTCACCCCTATCAGGAAGGGCCGCT 62		173 TICCGCTGCCGCTGTTCCACCTCGTTCTGTCCCAGCAACTCCA	Qy 208	
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CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: US/09/488,725
PRIOR FILING DATE: 2000-01-21
PRIOR PILING DATE: US/09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: US/09/598,042
PRIOR APPLICATION NUMBER: US/09/598,042
                                                                                                                                                                                                                                                                                          APPLICANT: Hyseq Inc
TITLE OF INVENTION: Novel Nucleic Acid and
FILE REFERENCE: 784FLPCT
                 OR FILING DATE: 2000-06-20
OR APPLICATION NUMBER: US09/620,312
OR FILING DATE: 2000-07-19
OR APPLICATION NUMBER: US09/653,450
OR FILING DATE: 2000-08-31
OR APPLICATION NUMBER: US09/662,191
OR FILING DATE: 2000-09-14
OR PILING DATE: 2000-09-14
OR APPLICATION NUMBER: US09/693,036
OR PILING DATE: 2000-10-19
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NUMBER OF SEQ ID NOS: 7144
SOPTWARE: pt_Ft_genes_b Versions 1.0
SEQ ID NO 7033
LENGTH: 293
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rpArgArgProProLeuGlnValSerProAla----ProSerSerSerCysArgAlaS
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                                                                                                  ATCATTATCAAAGGCATCTGGATGGTCAAAATTGTACTGTCCTTTCAAGGCCTTGG----
                                                                                                                                rgThrAla-----GluTrpCysTrpProProSerCysSer-----
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EARLIER APPLICATION NUMBER: 60/124,270

EARLIER FILING-DATE: 1999-03-12

NUMBER OF SEQ ID NOS: 1890

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 1601

LENGTH: 253

TYPE: PRT

ORGANISM: Homo sapiens
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PCT-US00-05988-1601
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DB:
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Best Local Similarity:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TITLE OF INVENTION: Human Prostate Cancer Associated Gene Sequences
FILE REFERENCE: PA101PCT
CURRENT APPLICATION NUMBER: PCT/US00/05988
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Matches:
Conservative:
Mismatches:
Indels:
Gaps:
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Sequence 3201. Application US/09488725A

GENERAL INFORMATION:
APPLICANT: Hyseq Inc
ITILE OF INVENTION: Novel Nucleic Acid and Polypeptides
FILE REFERENCE: 784FLPCT
CURRENT APPLICATION NUMBER: US/09/488,725A
CURRENT FILING DATE: 2000-12-22
PRIOR FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US/09/488,725
PRIOR FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US09/552,317
PRIOR APPLICATION NUMBER: US09/552,317
PRIOR APPLICATION NUMBER: US09/552,317
PRIOR APPLICATION NUMBER: US09/598,042
PRIOR FILING DATE: 2000-04-25
PRIOR FILING DATE: 2000-07-19
PRIOR APPLICATION NUMBER: US09/620,312
PRIOR APPLICATION NUMBER: US09/653,450
PRIOR APPLICATION NUMBER: US09/653,450
PRIOR APPLICATION NUMBER: US09/653,450
PRIOR APPLICATION NUMBER: US09/653,450
PRIOR FILING DATE: 2000-08-31
PRIOR APPLICATION NUMBER: US09/653,036
PRIOR APPLICATION NUMBER: US09/653,036
PRIOR APPLICATION NUMBER: US09/662,191
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US-09-488-725A-3201
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PRIOR FILING DATE: 2000-11-29
NUMBER OF SEQ ID NOS: 7144
SOFTWARE: pt FL genes_b Versions 1.0
SEQ ID NO 3201
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                                                                                                                                                                                                                                                                                               638 CCTCGTGGGATGATCACATCGG-----CATACTTCTTTGTCGGCAGGCAGAACTCC 588
                                                                                                                                                                                                                                                                                                                           200 ysProValGlyTyrThrGlyProPheCysAspValAspThrLysAlaSerCysTyrAspG 220
                                                                                                                                                                                                                                                                                                                                                             639
                                                                                                                                                                                                                                                                                                                                                                                        180 rAsnProCys-LeuHisGlyGlyArgCysLeuGluValGluGlyHisArgLeuCysHisC 200
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      123 nHisLeuThrGlyAsnHisCysGlnLysGluLysCysPheGluProGlnLeuLeuArgPh 143
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                        rProThrGlnAlaAlaPro----ProThrProValSerProArgLeuHisValProLeuM 316
                                                       recercagaarcrecrecaeercccr------cccreeeececacerc-----
                                                                                   sPheValLeuAsnArgAspArgLeuSerTrpGluTyrCysAspLeuAlaGlnCysGlnTh
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18.44%
16.71%
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Matches:
Conservative:
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		RESULT 36	
	590 Cys-GlyAspArgAsn	В	
CCTCCCGCCGAAGCCA 2	38 GCGGGGCTCTCGCAGTCTTCGCCTCCCGCCGAAGCCA	Q	
luAspGlnAlaAlaGluArgArgLeuThrLeuGlnGlyIleIleSerTrpGly-SerGly 589	570 luAspGlnAlaAlaGluArgA	B	
ACGGTCGGCCTCCGGC 39	54	Ş	
lyPheLeuGluGlyGlyThrAspAlaCysGlnGlyAspSerGlyGlyProLeuValCysG 570	550 lyPheLeuGluGlyGlyThrA	Db	
GTCGACTTCCCGCTGGCAGTGCCGCCCCCCCTATCAGGAAGGGCCGCTGGTGCGG- 55	113 GTCGACTTCCCGCTGGCAGTC	Q	
SerIleLeuProGlyMetLeuCysAlaG 550	534 AlaProAspValHisGlySerSerIleLeuProGly-	Db	
-ACCTCGTTCTGTCCCAGCAACTCCATGATCTTCTCACACACA	155ACC	γ	
	514 GluTyrAlaSerPheLeuGlr	Ф	
	164	Q	
-CysGlnValAlaGlyTrpGlyHisGlnPheGluGlyAlaGlu 513	496 uThrThrLeuCys	Db	
165	185 AGGATGACCACCTTCCGCTGC-	Qy ·	
ProTyrValGlnProValCysLeuProSerGlyAlaAlaArgProSerGl 496	479 rProTyrValGlnProVa	Вb	
CCTTCTGCTCTGCCGTCAGGACCTTGTAGAACCTGTCCTGGCTC 186	239 AAGGCCTTGGCCTTC	δ	
uGlnGluAspAlaAspGlySerCysAlaLeuLeuSe 479	460 sAspLeuAlaLeuLeuArgLeuGlnGluAspAlaAspGly-	Вb	
AAAATTGTACTG	272 GCATCTG	Qy	
TyrArgLeuHisGluAla-PheSerProValSerTyrGlnHi 460	447TyrArgLeuHisGluAla-Phe-	DЬ	
ATGTTCTTCAGAGTCCTGTGCATCAAATCATTATCAAAG 273	332 TCCACCGTTTTGCCCTCCACC	Qy	
3:3 ArgArgAsnHisSerCysGluProCysGlnThrLeuAlaValArgSer 446	430 GluArgArgAsnHisSe	Db	
AGGTCGGCACC 333	362 GAGTGTGTCACAAAATCAT	8	
roAlaProGluAspLeuThrValValLeuGlyGln 429	413CysLeuGlnAspArgPr	Db	
AAGATGCCCTCAAACAGAACCACGTCCGCAGGGTAGACCACCGTGGTCTCTGGTAACCTT 363	422 AAGATGCCCTCAAACAGAACC	Ś	
yHisSerPheCysAlaGlySer-LeuIleAlaProCysTrpValLeuThrAlaAlaHis- 412	393 yHisSerPheCysAlaGlySe	Db	
TCCTGGCTGTAGAACACC 423	451TGTCCCGGATCTCCTG	Ş	
 IvalGlyGlyLeuValAlaLeuArgGlyAlaHisProTyrIleAlaAlaLeuTyrTrpGl 393	373 lValGlyGlyLeuValAlaLe	Db	
452	460GGTGGAACA	γQ	
yGlnArgLeuArgLysSerLeuSerSerMetThrArgVa 373	353 gAsnGlyProLeuSerCysGlyGlnArgLeuArgLysS	Db	
461	461	Ş	
 -GlyAlaLeuProAlaLysArgGluGlnProProSerLeuThrAr 353	335 rGlnThrProGlyAl	Db	
A 461	4,92 TCGGTGTCCACGAAGAGGCGCA-	2	
etProAlaGlnProAlaProProLysProGlnProThrThrArgThrProProGlnSe 335	316 etProAlaGlnProAlaProF	Дb	

US-09-488-725A-3206
; Sequence 3206, Application US/09488725A
; GENERAL INFORMATION:
; APPLICANT: Hypeq Inc
; TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides
; FILE REFERENCE: 784FLPCT

CURRENT APPLICATION NUMBER: US/09/488,725A CURRENT FILING DATE: 2000-12-22 PRIOR APPLICATION NUMBER: US/09/488,725

RESULT 36

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PRIOR FILING DATE: 2000-01-21
PRIOR APPLICATION NUMBER: US09/552,317
PRIOR PILING DATE: 2000-04-25
PRIOR PILING DATE: 2000-06-20
PRIOR PILING DATE: 2000-06-20
PRIOR PILING DATE: 2000-06-20
PRIOR PILING DATE: 2000-07-19
PRIOR APPLICATION NUMBER: US09/653,450
PRIOR APPLICATION NUMBER: US09/653,450
PRIOR PILING DATE: 2000-08-31
PRIOR APPLICATION NUMBER: US09/662,191
PRIOR PILING DATE: 2000-09-14
PRIOR PILING DATE: 2000-10-19
PRIOR APPLICATION NUMBER: US09/693,036
PRIOR PILING DATE: 2000-10-19
PRIOR APPLICATION NUMBER: US09/727,344
PRIOR APPLICATION NUMBER: US09/727,344
PRIOR PILING DATE: 2000-11-29
NUMBER OF SEQ ID NOS: 7144
SOFTWARE: PL Genes D Versions 1.0
SEQ ID NO 3206
TYPE: PRT
CDCANTEN: Homo Badiens
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Query Match:
DB:
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                         702 ysGlyLeuThrIleValGlySerValLeuGluGlyThrPheLeuGluAsnHisProGlnA
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                                                                                                                                                                                            ATGTCCTGGATGTGCTGCACGATCAGGTT-----
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CURRENT APPLICATION NUMBER: US/09/488,725A
CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: US/09/488,725
PRIOR APPLICATION NUMBER: US/09/488,725
PRIOR APPLICATION NUMBER: US/09/552,317
PRIOR APPLICATION NUMBER: US/09/552,317
PRIOR APPLICATION NUMBER: US/09/598,042
PRIOR APPLICATION NUMBER: US/09/598,042
PRIOR FILING DATE: 2000-06-20
PRIOR APPLICATION NUMBER: US/09/620,312
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: US/09/653,450
PRIOR APPLICATION NUMBER: US/09/652,191
PRIOR APPLICATION NUMBER: US/09/662,191
PRIOR APPLICATION NUMBER: US/09/662,191
PRIOR APPLICATION NUMBER: US/09/662,191
PRIOR APPLICATION NUMBER: US/09/662,191
                                                                                            Percent Similarity:
Best Local Similarity:
                                                                                                                                                                                                              ; ORGANISM: Homo sapiens
; NAME/KEY: misc feature
; LOCATION: (1) ... (244)
; OTHER INFORMATION: Xaa =
US-09-488-725A-7126
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US-09-488-725A-7126
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SEQ ID NO 7126
LENGTH: 244
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                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQ ID NOS: 7144
                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION NUMBER: US09/693,036
PRIOR FILING DATE: 2000-10-19
PRIOR APPLICATION NUMBER: US09/727,344
PRIOR FILING DATE: 2000-11-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Hyseq Inc
TITLE OF INVENTION: Novel Nucleic Acid and
FILE REFERENCE: 784FLPCT
                                                                                Y Match:
                                                                                                                                                                                                                                                                                                               TYPE: PRT
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Conservative:
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Indels:
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Sequence 5699, Application US/09488725A
GENERAL INFORMATION:
APPLICANT: Hyseq Inc
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                                                                                                                                                                                       aCysAla***SerCysValAlaArgPro----AlaGly---SerArgSerSerArgPro
                                                                                                                                                                                                                                                                      rAlaSer-----AlaProSerProThrPro-----
                                                                                                                                                                                                                                                                                                                                                                                                                     AlaSerAlaGluAlaSerSerThr-----***ThrProGlySerGly-----Se
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      rSerProGlyAlaSerArgGlyMetSerGlyĠlyAlaĠlyĠly---ĊysTrpAlaLeuGl
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   -CysSerGlnLys----GlySer--LeuGly--HisLeuProThrGlnPro-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          rArgAla-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                           GCCTTCTGCTCTGCCGTCAGGACCTTGTAGAACCTGTCCTGGCTCAGGATGACCACCTTC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AACAGAACCACGTCCGCAGGGTAGACCACCGTGGTCTCTGGTAACCTTGAGTGTGACA 351
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 yTrpAlaProSerProValLeuPro---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   aThrGlyArgAlaValGlnValProLysGlyAlaLeuGlyLeuAlaLeuGlyGluTh 111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ----CCACGAAGA---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       gTrpLeuLeuGlySerLeuGlnSerSerProGly---ThrLeuGly---GlnAlaGly--
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               -GlnGluArgGlyThrSerHisSerGlnAlaArgGluProGlnArgProGly-----Ar 57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TTGTAGCTCCGCCCATTGGACCCTCCTCGGTGCCATTTGCAGATGTCACCATTCAGAATG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            -----ThrAlaSerArgArgArgGlyCysMetValGlnArgTrpValGlnValAl
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                                                                                                                  244
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ------Trp--GlyProGlnCysTrpArgGlyGlyArg--Ile
                                                                                                                                                                                                                                ----GGTCGGCCTCCGGCGCGCGGGCTCTCGCAGTCTTCGCCTCCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    -----CCCGGATCTCCTGGCTGTAGAACACCAAGATGCCCTCA 411
                                                                                                                                                                                                                                                                                                                                             -ArgSerGlyArgArgSerPro---GlySerArgArgArgSe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ----Trp--AlaAlaMetSer---ProArgGly---
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	::: 	Qy 186GAGCC 190	Db 113 aAlaGlyArgValAlaMetArgProGlyHisProGlyLeuLeuAlaSerAspSerGl 132	QY 167 ACCGGAACGT	Db 101 GlnLysProAlaGlyLysAlaAlaProGlyProAlaAl 113	QY 107 AGTCGACCGTGTGTGAGAAGATCATGGAGTTGCTGGGAACGAGGTGGAACAGCGGC 166		::: :: 	Qy 47 CCGACCGTCCGCACCAGCGGCCCTTCCTGATAGGGGTGAGCGGCGGCACTGCCAGCGGA 106	Db 69 ProProLeuProArgValSerThrGlnValAlaIle***AspGluLysProLeuAlaArg 88	Qy 44AGG 46	GIYTHTII EGIHTHIAA I AATGHISTHIA I GIYFI OAL ASETGIY 6		20	י מער היו בין היו לי מיני לי מיני לי מיני לי מיני לי מיני לי מיני לי מיני לי מיני לי מיני לי מיני לי מיני לי מי	19	::: Db	QY 2 TGGCTTCGGCGGGAGGCG19	us-09-896-522-3 (1-834) x US-09-488-725A-5699 (1-483)	μ·	ery Match: 16.63% Indels:	ent Similarity: 17.84% Conservati	: 58 Length:	Alignment Scoton.	ORMAT A-569	; NAME/KEY: misc_teature ; LOCATION: (1)(483)		LENGTH:	; SOFTWARE: pt_FL_genes_b Versions 1.0	; PRIOR FILING DATE: 2000-11-29 ; NUMBER OF SEQ ID NOS: 7144	APPLICATION N	APPLICATION N		APPLICATION N	; PRIOR APPLICATION NUMBER: US09/620,312 ; PRIOR FILING DATE: 2000-07-19				; CURRENT FILING DATE: 2000-12-22 ; PRIOR APPLICATION NUMBER: US/09/488,725	; FILE REFERENCE: 784FLPCT; CURRENT APPLICATION NUMBER: US/09/488,725A	TT
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767 GGGACCACCCTGGGATGCTGACCTCTGGCAAACGGTCACATTTGGAGTCCAGCAGCAGAC 826	443 roProTrpG1yAlaLeuG1yG1yTrpAlaAlaAlaArgAlaSerLeu 458	GCHINI GGCHCCGHOGHGGATCCHI GGGCGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG		oGlyTrn***ThrLeuAspProLeuProAlaHisProAlaHisProPro-GlySerAlaP	672708AGCACATCCAGGACATTCTGAATGGTGACATCT 706	403 aLeuProGlyProProHisProProSerSer***ArgGluLeuGlyGlyLeuProGlyPr 423	671 671	387 aAlaAlaGlyTrpGlnProArgArgProGlyPheAlaGlyArgAlaAl 403	635 GAGGAGTYGACAATATGGTTTGCCATCCAACCTGATCGT		367 vProArgArgLeuAlaAlaGlvAlaHisThrSerAlaSerAlaArgCvsProProAlaAl 387	606 607 FOR THE TOTAL CONTROL OF THE TOTAL CO	347 yGlySerLeuGlyCysArgSerMetLeuProAlaSerSerGlyProProProAlaProGl 367	579 GGCCTTCGAGGAGTTCTGCCTGCCGAC 605	327 oGlyCysArgProProCysAlaLeuProLysProAlaGlyProGluArgSerAla***Gl 347	578 578	311GlyThrPro-LeuAsnAlaSerLeuGlyProThrAspProGinGlyLysPr 327	548 ITCIGACGCAGIACACCTICGIGAAAGCC			488 ACGTCAGGCTGTCTCGAAGAGTTCTCCCGGGACGTGCGCCCGAGGGAACCTGGAGCAGA 547	278 ProAlaGlyTrpValProProThrArgHisGlu***AspAspGly***ThrAlaAlaPro 297	485CCG 487	258 AsnAsnValProIleLeuPheGlnAsnProSerGlyAlaLeuArgSerArgArgThrGlu 277	484		4/0 1CG-1GGACACCGACC			419 TCTTGGTGTTCTACAGCCAGGAGATCCGGGACATGTTCCACCTGCGCCTCT 469	209 isSer***HisLeuAspPro-AsnThrTrpThrGln 220	359 ACTCAAGGTTACCAGAGACCACGGTGGTCTACCCTGCGGACGTGGTTCTGTTTGAGGGCA 418	201AsnH 209	299 CTCTGAAGAACATCGTGGAGGGCAAAACGGTGGAGGTGCCGACCTATGATTTTGTGACAC 358		239 TGAAAGGACAGTACAATTTTGACCATCCAGATGCCTTTGATAATGATTGAT	200 C. COJANOCALEMACA COMPANIA COMPANIA COMPANIA COMPANIA A COMPANIA COMPAN		201	 152 oGlyTrpValSerGlyLeuLeuLeuLeuGlyAspProSerGlyProGlySerLeu***Ar 172	191 AGGACAGGTT 200

sGlyAspProAlaThrThrAl AATGTCCTGGATGTGCTGCAC AspValSerIleGGC GlnGlyAsnSerAlaSerGly PheSerGlyAlaProAsnGly	Alignment Scores: Pred. No.: 942 Length: 258.60 Matches: 114 Percent Similarity: 16.57\$ Best Local Similarity: 16.60\$ Indels: Gaps: 16 172 Percent Similarity: 16.60\$ Length: 2063 Matches: 114 Mismatches: 474 Gaps: 16 Gaps: 16 Mismatches: Mismatches: 16 Mismatches: Mismatches: 16 Mismatches: Mismatches: 16 Mismatches: Mismatches: 16 Mismatches: Mismatches: 16 Mismatches: Mismatch	Oy 827 CCCACTG 833 Oy 827 CCCACTG 833 Oy 827 CCCACTG 833 OH 10 10 10 10 10 10 10 10 10 10 10 10 10
Qy 160	382CCGTGGTCTCTGGTAACCTTGACTGTCACAAAATCATAGGTCGGCACCTCAAAATCATAGGTCGGCACCTCAAAATCATAGGTCGGCACCTCCAAAATCATAGGTCGGCACCTCCAAAATCATAGGTCGGCACCTCCAAAATCATAGGTCGGCACCTCCAAATGLIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	644

	B & B & B & B & B & B & B & B & B & B &		AlaSerGluAlaGlyLysProLeuLeuHisProValArgProGlyHisProLeu 735	TCCCCTGGCTCAGAAAAGGTCCGCTTGTAGCTCCGCCCATTGGACCCT 723	TGGGGTCTGCTGGTGGACTCCAAATGTGACCGTTTGCCAGAGGTCAGCATCCCAGGGTGG 771 ::: :::	522-3 (1-834) x US-09-488-725A-3457 (1-1409)	Indels: Gaps:	547 258.20 23.45%	ORGANISM: Homo sapiens 9-488-725A-3457	L_genes_	_	FILING DATE: 2000-08-31 APPLICATION NUMBER: US09/662,191 FILING DATE: 2000-09-14 APPLICATION NUMBER: US09/693,036	FILING DATE: 2000-06-20 APPLICATION NUMBER: US09/620,312 FILING DATE: 2000-07-19 APPLICATION NUMBER: US09/653,450	FILING DATE: 2000-01-21 APPLICATION NUMBER: US09/552,317 FILING DATE: 2000-04-25 APPLICATION NUMBER: US09/598,042	T APPLICATION NUMBER: US/09/488,725A T FILING DATE: 2000-12-22 APPLICATION NUMBER: US/09/488,725	APPLICANT: Hyseq Inc TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides FILE REFERENCE: 784FLPCT	-09-488-725A-3457 Sequence 3457, Application US/09488725A GENERAL INFORMATION:	ProLeuProProArgPro 1264	crcccgcgaagcca 2		_	ProTyrTyrProGlnThrProAsnAsnArgProProSerThrGluProSerGluIleSer 1238	hrGlnThrSerArgProLysThrProAsnArgAlaSerProArg	CGCGGTCACCCCTATCAGGAAGGGCCGCTGGTGCGGACGGTCGG 47	
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QY 2 TGGCTTCGGCGGAAGACTGCGAAGACCCCGGGCCGAGGCCGACCGA	Alignment Scores: Pred. No.: \$ 257.60	
Qy 209	192	Db 137 ThrLysGlyTyrArgLeulleGlySerSerAlaThrCysIleIleSerGlyAspThr 156 140TGGGACGAACG

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GlyAspTrpSerProAlaAla---ProThr 807
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           alPheGluLeuValGlyGluProSerIleTyrCysThrSerAsnAspAspGlnValGlyI 679
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                                                                                                                                                                                                                                                                                                                                                      heArgCysGlnProGlyPheValMetLysGlyProArg-ArgValLysCysGlnAlaLeu 738
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                                                                                       TyrSerCysGluProGlyTyrAspLeuArgGlyAlaAlaSerMetArgCysThrProGln 798
                                                                                                                                                                                                                                                                                                                                                                                                                                            luAsnGlyIleLeuValSerAspAsnArgSerLeuPheSerLeuAsnGluValValGluP 719
                                                                                                                                                                          LeuHisAlaGluArgThrGlnArgAspLysAspAsnPheSerProGlyGlnGluValPhe
                                                                                                                                                                                                                                                               AsnLysTrpGluProGluLeuProSerCysSerArgValCysGlnProProAspVal 758
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                                           TGGAGTCCAGCAGCAGACCCCACT 832
                                                                                                                                                                                                                                                                                                                                                                                                  CCTGGGATGCTGACCTCTGGCAAACGGTCACATT----
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CURRENT APPLICATION NUMBER: US/09/488,725A
CURRENT EILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: US/09/488,725
PRIOR FILING DATE: 2000-01-21
PRIOR PILING DATE: 2000-01-21
PRIOR PILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: US09/552,317
PRIOR APPLICATION NUMBER: US09/598,042
PRIOR FILING DATE: 2000-06-20
PRIOR FILING DATE: 2000-06-20
PRIOR APPLICATION NUMBER: US09/620,312
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PRIOR APPLICATION NUMBER: US09/727,344
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TITLE OF INVENTION: Novel Nucleic Acid and
FILE REFERENCE: 784FLPCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR FILING DATE: 2000-11-29
NUMBER OF SEQ ID NOS: 7144
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NAME/KEY: misc_feature
LOCATION: (1)...(490)
OTHER INFORMATION: Xaa =
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TACAAGGTCCTGACGGCAGAGCAGAAGGCCAAGGCCTTGAAAGGACAGTACAATTTTGAC 261:::
                                                                       erGluGluAlaProArgGlyCysGlyAlaGluGlyGlyProGlySerGlyProValA 110
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                                                                                                                                                                                                                                                                                                                                         aGluAlaAlaProTrpGlnThrGlyGlyProAlaIleAspGlyAlaTrpArgThrSer--
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GluLysSerTyr-Trp-----AsnHisProHis 416
                                                                      GlyThrProLysGly***SerHisProAlaPheThrLysSerThr***SerMetGluAla
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                                  AAACGGTCACATTTGGAGTCCAGCAGCAGCACCCCAC 831
                                                                                                                                           --GlyProSerLeuGlyGluAsnGlyGlyGlnTrpAsp-----
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                                                                                                                                                                                                                      *LeuLeuMetProGlyValAla***ArgHisGlyThrSer---ProPheLeu-----
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                                                                                                                                                                                                                                                                                                                                   -GGAGCT---
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                                                                                                                                                                                  -CCCTGGGATGCTGACCTCTGGC-----
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; TYPE: PRT
; ORGANISM: Homo mapiens
; NAME/KEY: misc_feature
; LOCATION: (1)...(408)
; OTHER INFORMATION: Xaa =
US-09-488-725A-5651
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION NUMBER: US09/662,191
PRIOR FILLING DATE: 2000-99-14
PRIOR APPLICATION NUMBER: US09/693,036
PRIOR FILLING DATE: 2000-10-19
PRIOR APPLICATION NUMBER: US09/727,344
PRIOR FILLING DATE: 2000-11-29
NUMBER OF SEQ ID NOS: 7144
SOFTWARE: pt FL genes_b Versions 1.0
SEQ ID NO 5651
LENGTH: 410
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Percent Similarity:
Best Local Similarity:
Query Match:
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US-09-488-725A-5651
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GENERAL INFORMATION:
APPLICANT: Hyseq Inc
APPLICANT: Novel Nucleic Acid and Polypeptides
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CURRENT APPLICATION NUMBER: US/09/488,725A
CURRENT FILING DATE: 2000-12-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION NUMBER: US/09/488,725
PRIOR FILING DATE: 2000-01-21
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FILING DATE: 2000-07-19
APPLICATION NUMBER: US09/653,450
FILING DATE: 2000-08-31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US09/598,042 FILING DATE: 2000-06-20
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                                                                   laSerProAlaGlyProAlaAspPro***LeuProGlyHisSerSerGlnSerProProA
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                                                                                                                                                                                                                                                                                                                    ---AlaGlyCysGlyArgAlaProPro--Trp-ProAlaProLeuArgValPro-----
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                                                                                                            GAAGGCCGGCT----
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RESULT 44
US-09-488-725A-2391
Sequence 2391, Application US/09488725A
GENERAL INFORMATION:
APPLICANT: Hyseq Inc
TITLE OF INVENTION: Novel Nucleic Acid and Polypeptides
FILE REFERENCE: 784FLPCT
CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: US/09/488,725
PRIOR FILING DATE: 2000-12-21
PRIOR FILING DATE: 2000-01-21
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laGluAspGlyProValProProGlnArgGlyPheProLeuGlyThrLeuGlySerProA 220
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PRIOR APPLICATION NUMBER: US09/598,042
PRIOR FILING DATE: 2000-06-20
PRIOR PELLING DATE: 2000-06-20
PRIOR APPLICATION NUMBER: US09/620,312
PRIOR FILING DATE: 2000-07-19
PRIOR FILING DATE: 2000-08-31
PRIOR PRIOR PELICATION NUMBER: US09/653,450
PRIOR PRIOR DATE: 2000-08-31
PRIOR PELICATION NUMBER: US09/662,191
PRIOR PELICATION NUMBER: US09/693,036
PRIOR PILING DATE: 2000-10-19
PRIOR APPLICATION NUMBER: US09/727,344
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      CCAGGAGATCCGGGACATGTTCCACCTGCGCCTCTTCGTGGACACCGACTCCGACGTCAG 494
                                                                                                                                    HisGlyAlaLysGlyGluArgGlyGluLysGlyGluProGlyValArgGlyAlaIle---
                                                                                                                                                                                                                   GCAGAAGGCCAAGGCCTTGAAAGGACAGTACAATTTTGACCATCCAGATGCCTTTGATAA 281
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                                              GlySerLysGlyGluSerGlyValAspGlyLeuMetGlyProAlaGlyProLysGlyGln
                                                                                        GGGCATCTTGGTGTTCTA--
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240	CCTGTGCATCAAATCATTATCAAAGGCATCTGGATGGTCAAAATTGTACTGTCCTTTC	297
778	ProGluAlaProAlaSerArgAlaGluG	758
298	CCCTCCACGATGTTCTTCAGAGT	322
758	lGlyLysLysLysValGlySerGluLysProGlyThrThrLeuProGlnProProPr	738
323		323
738	${\tt rArgProThrGlySerValSerSerThrLeuGlyLeuAlaSerIleGlnProSerLysVal}$	718
323		323
718	oProPheThrGlnGluGluGluGluAspGlyGlyProAlaLeuGlnGluLeuLeuSerTh	698
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698	YSerGlyGlnProThrArgLysAlaGlyLysGlySerArgGlyGlyArgLysGlyGlyPr	355 678
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639	$\verb aLeuProTyrAlaIleProAlaArgGlyArgSerAlaPheGlnGluGluAspPheProAlaLeuProTyrAlaIleuProAlaLeuProTyrAlaIleuProAlaArgGlyArgSerAlaPheGlnGluGluAspPheProAlaLeuProTyrAlaIleuProAlaArgGlyArgSerAlaPheGlnGluGluAspPheProAlaArgGlyArgSerAlaPheGlnGluGluAspPheProAlaArgGlyArgSerAlaPheGlnGluGluAspPheProAlaArgGlyArgSerAlaPheGlnGluGluAspPheProAlaArgGlyArgSerAlaPheGlnGluGluAspPheProAlaArgGlyArgSerAlaPheGlnGluGluAspPheProAlaArgGlyArgSerAlaPheGlnGluGluAspPheProAlaArgGlyArgSerAlaPheGlnGluGluAspPheProAlaArgGlyArgSerAlaPheGlnGluGluAspPheProAlaArgGlyArgSerAlaPheGlnGluGluAspPheProAlaArgGlyArgSerAlaPheGlnGluGluAspPheProAlaArgGlyArgSerAlaPheGlnGluGluAspPheProAlaArgGlyArgSerAlaPheGlnGluGluAspPheProAlaArgGlyArgSerAlaPheGlnGluGluAspPheProAlaArgGlyArgSerAlaPheGlnGluGluAspPheProAlaArgGlyArgSerAlaPheGlnGluGluAspPheProAlaArgGlyArgG$	619
404	•	404
619	uSerAlaSerThrSerSerSerCysSerThrAlaAlaThrProGlyProValGlyLeuAl	599
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599)GluAspPheProSerLe	579
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444 579	oLysGluThrSerThrAsnGlyProValSerGlnGluAlaPheSerValThrGlyProAl	454 559
559	yProGluAspProArgGlyProArgArgSerProArgThrGlnGlyGluGlyProGlyPr	539
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539	gArgSerGluAspGlnGluGluGlyGlyArgProLysUusGluGluAlaAlaAlaArgGl	519
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519	pArgGluValAlaAlaAlaValArgAlaSerValAlaAlaGlnGlnGlnGluGluAlaAr !	499
461		461
499	 YThxArgGlyAlaGlnGlnSerArgArgGlySerTrpArgTyrLysArgGluGluGluAs	479
461		473
479	lyGluAspTyrGluGluValAspArgTyrSerArgGlnGlyArgValAlaArgAlaGl	460
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